THE UNIVERSITY
OF WISCONSIN

AD735815
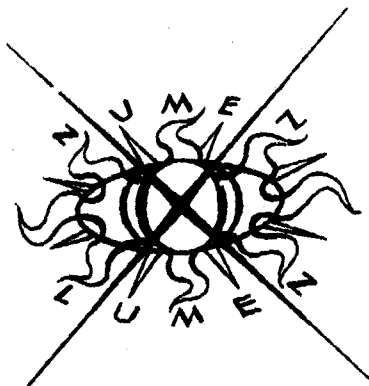
MATHEMATICS RESEARCH CENTER
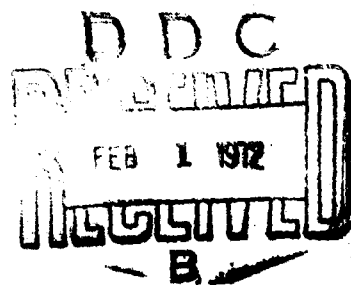
236

DOCUMENT CONTROL DATA - R & D

(Security classification of title, body of abstract and indexing annotation must be entered when the overall report is classified)

1. ORIGINATING ACTIVITY (Corporate author)	2a. REPORT SECURITY CLASSIFICATION
Mathematics Research Center, University of Wisconsin, Madison, Wis. 53706	Unclassified
	2b. GROUP None

3. REPORT TITLE

A BIBLIOGRAPHY ON: "METHODS FOR SOLVING INTEGRAL EQUATIONS" — AUTHOR LISTING

4. DESCRIPTIVE NOTES (Type of report and inclusive dates)

Summary Report: no specific reporting period.

5. AUTHOR(S) (First name, middle initial, last name)

Ben Noble

6. REPORT DATE	7a. TOTAL NO. OF PAGES	7b. NO. OF REFS
September 1971	226	none
8a. CONTRACT OR GRANT NO. Contract No. DA-31-124-ARO-D-462	9a. ORIGINATOR'S REPORT NUMBER(S) #1176	
b. PROJECT NO. None		
c.	9b. OTHER REPORT NO(S) (Any other numbers that may be assigned this report) None	
d.		

10. DISTRIBUTION STATEMENT

Distribution of this document is unlimited.

11. SUPPLEMENTARY NOTES	12. SPONSORING MILITARY ACTIVITY
None	Army Research Office-Durham, N.C.

13. ABSTRACT

This bibliography is intended for the applied mathematician who wishes to locate references that will help him when solving integral equations. The scope is indicated by a list of subject headings. A listing by subject is available in a companion MRC Report #1175.

THE UNIVERSITY OF WISCONSIN

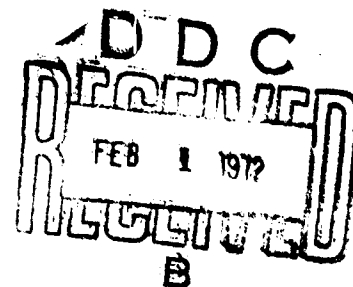MATHEMATICS RESEARCH CENTER

Contract No.: DA-31-124-ARO-D-462

A BIBLIOGRAPHY ON: "METHODS FOR
SOLVING INTEGRAL EQUATIONS"
- AUTHOR LISTING

Ben Noble

Madison, Wisconsin 53706

A BIBLIOGRAPHY ON: "METHODS FOR SOLVING INTEGRAL EQUATIONS" - AUTHOR LISTING

Ben Noble

This bibliography is intended primarily for the applied mathematician who wishes to locate references that may help him when solving integral equations. It has been compiled for a special purpose, namely the writing of a series of books on "Methods for Solving Integral Equations", and this has dictated the scope of the bibliography. The scope is indicated by the list of subject headings given below.

A listing by subject is available in a companion MRC Technical Summary Report #1177.

Articles are listed as follows:

Author, title of paper, journal, volume, year, pages, MR(Mathematical Reviews) number, ⟨subject classification(s)⟩.

We use the standard abbreviations of names of journals as given in the Index to Mathematical Reviews. Occasionally we abbreviate further, e.g. P. M. M. for Prikl. Mat. Meh. , Q. A. M. for Quart. Appl. Math. , and Z. A. M. M. for Z. Angew. Math. Mech. If we have not been able to locate the MR (Mathematical Reviews) number, we occasionally give an AMR(Applied Mechanics Reviews) or ZB(Zentralblatt) number.

My thanks go to the many people who have helped in this project. George Swan listed my files. Hing-Sum Hung searched for MR numbers and did most of the checking. The computer programs were developed by Verlyn Erickson.

This bibliography has been based on a card index assembled over a number of years, supplemented by a selection of relevant articles listed in Mathematical Reviews under the heading "Integral Equations". There are inevitably omissions in a bibliography of this size and scope. Lists of omissions, and bibliographies covering particular subject areas, would be gratefully received. Please send them to:

Ben Noble, Oxford University Computing Laboratory,

19 Parks Road, Oxford, England

#1176

TOPICS FOR BIBLIOGRAPHY ON INTEGRAL EQUATIONS

0-9   <u>GENERAL</u>

- 01.0   Textbooks on integral equations
- 02.0   Textbooks mentioning integral equations (also special topics)
- 03.0   Relevant textbooks on functional analysis
- 05.0   Review, expository, and survey articles
- 07.0   Of historical interest

10-19   <u>VOLTERRA</u> (see also 59.6, 64.0, 64.5, 68.0, 85.0, 106.0, 121.0, 122.0, 123.0)

- 10.0   Volterra, second kind - linear, theory (see also 12.0)
- 11.0   Volterra, second kind - nonlinear, theory (see also 12.5)
- 12.0   Volterra, second kind - linear, convolution (see also 64.0, 64.5, 106.0, 121.0)
  - 12.5   Volterra, second kind - nonlinear, difference kernel
- 13.0   Volterra, second kind - numerical solution
- 14.0   Volterra, miscellaneous
  - 14.6   Volterra, two variable limits
- 15.0   Volterra, first kind - theory (see also 64.0, 64.5, 68.0)
- 16.0   Volterra, first kind - numerical solution
- 17.0   Volterra, integrodifferential - theory
  - 17.8   Volterra, integrodifferential - small parameter on derivative (Asymptotic theory)
- 18.0   Volterra, integrodifferential - numerical solution

20-39   <u>FREDHOLM - BASIC THEORY</u>

- 20.0   Neumann series (see also 49.1, 116.1)
- 21.0   Fredholm theory
  - 21.2   Fredholm determinants
  - 21.8   Resolvents
- 22.0   Miscellaneous Fredholm
- 24.0   Eigenvalues and eigenvectors for linear Fredholm (see also 25.0, 27.0, 119.8)
  - 24.5   Nonlinearity in lambda
  - 24.9   Spectral theory for special operators
- 25.0   Linear singular Fredholm equations
- 26.0   Nonlinear Fredholm equations of Hammerstein type
- 27.0   Nonlinear Fredholm, eigenvalues, bifurcation
- 28.0   Nonlinear Fredholm other than Hammerstein
  - 28.2   Nonlinear Fredholm - algebraic
  - 28.3   Nonlinear Fredholm - singular
- 29.0   Fredholm of the first kind
- 30.0   Integrodifferential Fredholm, linear (see also 119.3)

AALTO, S.K.
    1   AN ITERATIVE PROCEDURE FOR SOLVING NONLINEAR EGUATIONS
        IN A BANACH SPACE, J.MATH.ANAL.APPL., 24(1968),686-691
        <49.0>
    2   SOLUTION OF SYSTEMS OF FREDHOLM EQUATIONS WITH GREEN'S
        MATRIX KERNELS, M.P.C. TECH. REPT. NO. 714,NOV.,1966
        <59.6>
  AARON, R., KLEIN, A.
    1   CONVERGENCE OF THE BORN EXPANSION, J.MATH.PHYS. 1(1960),
        131-138, MR:22-3457 <20.0, 116.1>
ABATE, J.   (SEE - DUBNER, H.)
ABEL, N.H.
    1   AUFLOSUNG EINER MECHANISCHEN AUFGABE, J. FUR REINE UND
        ANG. MATH. 1 (1826) 153-157 FRENCH TRANSL. OEUVRES, VOL.
        1 CHRISTIANIA (1881) 97-101 <07.0, 15.0>
    2   SOLUTION DE QUELQUES PROBLEMES A L'AIDE D'INTEGRALES
        DEFINIES, OEUVRES, VOL. 1 CHRISTIANIA (1881) 11-27
        <07.0, 15.0>
ABHYANKAR, K.D.   (SEE - FYMAT, A.L.)
ABODEELY, R.J.   (SEE - WATERMAN, P.C.)
ABRAMIAN, B.L.   (SEE - ARUTIUNIAN, N.KH.)
ABRAMIAN, B.L., ARUTIUNIAN, N.KH., BABLOIAN, A.A.
    1   ON TWO-CONTACT PROBLEMS FOR AN ELASTIC SPHERE, P.M.M.
        28(1964),622-629, TRANSL. J. APPL. MATH. MECH., 769-777
        <66.7, 103.9>
    2   ON SYMMETRIC PRESSURE OF A CIRCULAR STAMP ON AN ELASTIC
        HALF-SPACE IN THE PRESENCE OF ADHESION, P.M.M. 30(1966),
        143-147, TRANSL. J. APPL. MATH. AND MECH., 173-179,
        AMR:21-892 <103.8>
ABU-SHUMAYS, I.K.   (SEE ALSO - BAREISS, E.H.)
    1   GENERATING FUNCTIONS AND REFLECTION AND TRANSMISSION
        FUNCTIONS, J. MATH. ANAL. AND APPLIC., 18(1967), 453-471
        <119.5, 119.7>
    2   THE ALBEDO PROBLEM AND CHANDRASEKHAR'S H-FUNCTION I,
        NUCLEAR SCI. AND ENGR., 26(1966), 430-433 <119.5>
    3   THE ALBEDO PROBLEM AND CHANDRASEKHAR'S H-FUNCTION II,
        NUCLEAR SCI. AND ENGR., 27(1967), 607-608 <119.5>
ACHENBACH, J.D.   (SEE - FREUND, L.B.)
ACKERBERG, R.C.
    1   ON A NONLINEAR THEORY OF THIN JETS II. A LINEAR THEORY
        FOR SMALL INJECTION ANGLES, J. FLUID MECH., 33(1968),
        261-272, AMR:22-4362 <71.0, 113.0>
ACKERMANN, W.   (SEE - BIRNBAUM, W.)
ACOSTA, A.J., MANI, R.
    1   NOTE ON AN AIRFOIL IN A SLIGHTLY NON UNIFORM STREAM,
        APPL. SCI. RES., 18(1967), 21-27, AMR:21-2792
ADAMS, R.B.
    1   ON THE APPROXIMATE SOLUTION OF FREDHOLM'S HOMOGENEOUS
        INTEGRAL EQUATION, AMER. J. MATH., 51(1929), 139-148
        <21.0, 54.0>

AFANAS'EV, E.F.
    1 IMPACT OF A BODY ON A THIN PLATE LYING ON THE SURFACE OF
       A COMPRESSIBLE LIQUID, P.M.M. 28(1964), 868-879, TRANSL.
       J. APPL. MATH. MECH., 1054-1066, AMR:20-4970 <71.0,
       112.5>
    2 DIFFRACTION OF A NONSTATIONARY PRESSURE WAVE ON A MOVING
       PLATE, P. M. M. 26(1962), 19-195, TRANSL. J. APPL. MATH.
       MECH. 26(1962), 268-276, MR:27-3217 <71.0, 96.8>
    3 A PROBLEM IN SHOCK WAVE DIFFRACTION, INZ. ZH. 5(1965),
       612-622, TRANSL. SOVIET ENGINEERING J., 503-508, MR:
       34-3871 <96.8>
    4 SOME HEAT EQUATION PROBLEMS WITH MIXED BOUNDARY
       CONDITIONS, DIFFERENTSIALNYE URAVNENIYA 1(1965), 663-670,
       TRANSL. IN DIFF. EQNS., 509-515, MR:34-7995 <71.0,
       120.0>
    5 DIFFRACTION OF A NON-STATIONARY WAVE BY A HALF-PLANE,
       INZ. ZH. 2(1962), 337-340, MR:27-6490 <96.8>
AGMON, S.
    1 MULTIPLE LAYER POTENTIALS AND THE DIRICHLET PROBLEM FOR
       HIGHER ORDER ELLIPTIC EQUATIONS IN THE PLANE. I.,
       COMMUN. PURE APPL. MATH. 10(1957) 179-239, MR:21-5057
       <90.0>
AGRANOVICH, M.S.
    1 ELLIPTIC SINGULAR INTEGRO-DIFFERENTIAL OPERATORS, USPEHI
       MAT. NAUK 20 (1965) #5 3-120 RUSSIAN MATH. SURVEYS, VOL.
       20 NOS. 5/6 (1965) P1-121, MR:33-6176 <05.0, 30.0>
AHIEZER, A.N.   (SEE - AHIEZER, N.I.)
AHIEZER, N.I.
    1 ON SOME DUAL INTEGRAL EQUATIONS, DOKL. AKAD. NAUK. SSSR
       (N.S.), 98(1954), 333-336, MR:16-487 <67.5>
AHIEZER, N.I., AHIEZER, A.N.
    1 ON THE DIFFRACTION OF ELECTROMAGNETIC WAVES BY A
       CIRCULAR HOLE IN A PLANE SCREEN, DOKL. AKAD. NAUK., SSSR
       (N.S.), 109(1956), 53-56, MR:18-848 <67.5, 97.0>
AHLFORS, L.V.
    1 REMARKS ON THE NEUMANN-POINCARE INTEGRAL EQUATION,
       PACIFIC J. MATH. 2(1952), 271-280, MR:14-182 <20.0,
       107.0>
AITKEN, J.H.   (SEE - DIXON, W.R.)
AKBERSENOV, I.A.
    1 ON THE APPROXIMATE SOLUTION OF FREDHOLM'S EQUATION AND
       DETERMINATION OF ITS CHARACTERISTIC VALUES, MAT. SB. 42
       (1935) 679-697 <54.0>
AKBERSENOV, I.A., VOROVICH, I.I.
    1 THE ACTION OF A DIE ON AN ELASTIC LAYER OF FINITE
       THICKNESS, P.M.M. 24, 2 (1960) 323-333 <103.7>
AKILOV, G.P.   (SEE - KANTOROVICH, L.V.)
AKLONIS, J.J., TABOLSKY, A.V.
    1 RELATIONSHIP BETWEEN CREEP AND STRESS RELAXATION, J.
       APPL. PHYS. 37(1966), 1949-1952, AMR:19-7650 <106.0>
ALBERS, L.V.   (SEE - SPARROW, E.M.)

ALBERTONI, S., SZEGO, G.
  1 SUR UNE EQUATION INTEGRALE DE LA THEORIE DU REGLAGE,
       C.R. ACAD. SCI. PARIS 261(1965), 29-32, MR:31-6105
       <12.5, 123.0>
ALBEVERIO, S.
  1 ANALYTISCHE LOSUNG EINES IDEALISIERTEN STRIPPUNG - ODER
       BEUGUNGSPROBLEMS, HELV. PHYS. ACTA 40(1967), 135-184
       <72.0, 117.0>
ALBLAS, J.B.
  1 ON THE TORSION OF A CYLINDRICAL BAR WITH SLITS, KONINKL.
       NEDERL. AKAD. VAN WETENSCHAPPEN, SERIES B, 64(1961),
       47-55, MR:22-10326 <48.5, 94.7>
  2 ON THE GENERATION OF WATER WAVES BY A VIBRATING STRIP,
       APPL. SCI. RES. A. 7(1958), 224-236, MR:19-1004 <71.0,
       112.5>
  3 ON THE DIFFRACTION OF SOUND WAVES IN A VISCOUS MEDIUM,
       APPL. SCI. RES. A 6(1957), 237-262, MR:18-967 <71.0,
       96.0>
  4 ON THE THREE-DIMENSIONAL WATER WAVE MOTION GENERATED BY
       A VIBRATING DOCK, SIMON STEVIN, 34(1960), 68-87,
       MR:27-3161 <71.0, 112.5>
  5 ON THE DIFFRACTION OF SOUND WAVES IN A HEAT-CONDUCTING
       VISCOUS MEDIUM, NEDERL. AKAD. WETENSCH. PROC. SER. B
       64(1961), 351-367, MR:24-81078 <71.0, 96.0>
ALBLOW, C.M., PERRY, C.L.
  1 ITERATIVE SOLUTIONS OF THE DIRICHLET PROBLEM FOR DELTA U
       = U SQUARED, J. SOC. INDUSTR. APPL. MATH., 7(1959),
       459-467 <90.2>
ALEKSANDROV, A.IA.
  1 SOME RELATIONS BETWEEN THE SOLUTIONS OF THE PLANE AND
       AXIALLY SYMMETRIC ELASTICITY PROBLEMS FOR THE INFINITE
       PLANE, DOKL. AKAD. NAUK. SSSR 128 (1959) 57-60 TRANSL.
       SOVIET PHYSICS 4(1960), 1121-1124, MR:22-4207 <104.9>
  2 SOLUTION OF AXIALLY SYMMETRIC PROBLEMS IN THE THEORY OF
       ELASTICITY BY MEANS OF ANALYTIC FUNCTIONS, DOKL. AKAD.
       NAUK. SSSR 139 (1961) 337-340 TRANSL. SOVIET PHYSICS 6
       (1962), 630-632, MR:24-81331 <74.2, 104.9>
  3 SOLUTION OF AXISYMMETRIC PROBLEMS OF THE THEORY OF
       ELASTICITY WITH THE AID OF RELATIONS BETWEEN
       AXISYMMETRIC AND PLANE STATES OF STRESS, PMM 25(1961),
       912-920, TRANSL. J. APPL. MATH. MECH., (1961), 1361-1375,
       , MR:24-81330 <74.2, 104.9>
  4 SOME RELATIONS BETWEEN THE SOLUTION OF PLANE AND AXIALLY
       SYMMETRIC PROBLEMS IN THE THEORY OF ELASTICITY AND THE
       SOLUTION OF AXIALLY SYMMETRIC PROBLEMS BY MEANS OF
       ANALYTIC FUNCTIONS, DOKL. AKAD. NAUK. SSR 129(1959),
       754-759, TRANSL. SOVIET PHYS. DOKL. 4(1960) 1378-1382,
       MR:22-4186 <104.9>
  5 REPRESENTATION OF THE COMPONENTS OF THE
       THREE-DIMENSIONAL AXISYMMETRIC STATE OF A TRANSVERSALLY
       ISOTROPIC SOLID BY USING COMPLEX VARIABLE FUNCTIONS AND
       CONTOUR INTEGRALS, IZV. AKAD. NAUK SSSR, MEKH. I
       MASHINOSTR. 2(1964), 149-152, AMR:18-746 <74.2, 104.9>

ALEKSANDROV, A.IA., SOLOVEV, IU.I.
1   THE SOLUTION OF THE THREE-DIMENSIONAL AXISYMMETRIC
    PROBLEM IN THE THEORY OF ELASTICITY BY MEANS OF LINE
    INTEGRALS, P.M.M. 28(1964), 914-919, TRANSL. J. APPL.
    MATH. MECH. 1106-1112, AMR:19-4846 < .2, 104.9>
2   ON A GENERALIZATION OF THE METHOD OF SOLUTION OF AXIALLY
    SYMMETRIC PROBLEMS IN THE THEORY OF ELASTICITY BY MEANS
    OF ANALYTIC FUNCTIONS TO SPATIAL PROBLEMS WITHOUT AXIAL
    SYMMETRY, DOKL. AKAD. NAUK SSSR 154(1964), 294-297,
    TRANSL. SOVIET PHYSICS DOKL 9(1964), 99-101, MR:32-3342
    <74.2, 104.9>
3   ONE FORM OF SOLUTION OF THREE-DIMENSIONAL AXISYMMETRIC
    PROBLEMS OF ELASTICITY THEORY BY MEANS OF FUNCTIONS OF A
    COMPLEX VARIABLE AND THE SOLUTION OF THESE PROBLEMS FOR
    THE SPHERE, P. M. M. 26(1962), 138-145, TRANSL. J. APPL.
    MATH. MECH., 188-198, MR:26-7212 <74.2, 104.9>
4   APPLICATION OF ANALYTIC FUNCTIONS OF A COMPLEX VARIABLE
    TO THE SOLUTION OF THREE-DIMENSIONAL NON-AXISYMMETRIC
    PROBLEMS OF THE THEORY OF ELASTICITY FOR BODIES OF
    REVOLUTION, IZV. AKAD. NAUK SSSR MEKHANIKA 6(1965),
    94-99, AMR:20-2291 <74.2, 104.9>
ALEKSANDROV, V.M.
1   ASYMPTOTIC METHODS IN CONTACT PROBLEMS OF ELASTICITY
    THEORY, P.M.M. 32 (1968), TRANSL. J. APPL. MATH. MECH.
    32 (1968) 691-703, AMR:22-8414 <76.0, 81.0, 103.7>
2   SOME CONTACT PROBLEMS FOR THE ELASTIC LAYER, P.M.M.
    27(1963), 758-764, TRANSL. J. APPL. MATH. MECH.,
    1164-1176, AMR:18-781 <81.0, 103.7>
3   ON THE SOLUTION OF CERTAIN CONTACT PROBLEMS OF THE
    THEORY OF ELASTICITY, P.M.M. 27(1963), 970-972, TRANS.
    J. APPL. MATH. MECH., 1490-1494, AMR:17-3730 <76.0,
    81.0, 103.7>
4   THE SOLUTION OF A TYPE OF TWO-DIMENSIONAL INTEGRAL
    EQUATION, P.M.M. 28(1964), 579-581, TRANS. J. APPL.
    MATH. MECH. 714-717, MR:32-326 <81.0, 103.7>
5   ON THE APPROXIMATE SOLUTION OF A CERTAIN TYPE OF
    INTEGRAL EQUATION, P.M.M. 26(1962), 934-943, TRANS. J.
    APPL. MATH. MECH., 1410-1424, MR:26-7211 <76.0, 81.0,
    103.7>
6   ASYMPTOTIC SOLUTION OF THE CONTACT PROBLEM FOR A THIN
    ELASTIC LAYER, PRIKL. MAT. MEH. 33(1969), 61-738 TRANSL.
    J. APPL. MATH MECH. 33(1969), 49-63, MR:41-1272 <71.0,
    81.0, 103.7>
7   ON THE APPROXIMATE SOLUTION OF SOME INTEGRAL EQUATIONS
    OF THE THEORY OF ELASTICITY AND MATHEMATICAL PHYSICS,
    PRIKL. MATH. MEH. 31(1967), 1117-1131, TRANSL. J. APPL.
    MATH. MECH. 31(1967), 1122-1136(1968), MR:38-1495 <67.5,
    103.7>
8   CONTACT PROBLEMS OF AN ELASTIC WEDGE, INZH. ZHURNAL
    MEKH. TUERDOGO TELA 2(1967), 120-131, AMR:22-5872 <103.9>
9   SOME CONTACT PROBLEMS FOR BEAMS, PLATES AND SHELLS,
    INZH. ZH. 5(1965), 782-785, TRANSL. SOVIET ENGR. J.,
    603-604, AMR:21-2476 <103.9>

10   TWO NEW METHODS OF SOLVING CONTACT PROBLEMS OF AN
        ELASTIC STRIP, NAUCHN. LOOBSKCH. ROSTOVSK. UN-T, SER.
        TOCCH. I ESTESTV. N., ROSTOV-NA-DONU (1965), 56-59,
        AMR:20-8386   <77.0, 103.7>
ALEKSANDROV, V.M., BABESHKO, V.A., BELOKON', A.V., VOROVICH, I.I.,
USTINOV, IU.A.
   1   CONTACT PROBLEMS FOR AN ANNULAR SHEET OF SMALL THICKNESS,
        INZHEN. ZH. MEKH. TVERDOGO TELA 1(1966), 135-139,
        AMR:17-6863 <103.7>
ALEKSANDROV, V.M., BABESHKO, V.A., KUCHEROV, V.A.
   1   CONTACT PROBLEMS FOR AN ELASTIC LAYER OF SLIGHT
        THICKNESS, P.M.M. 30(1966), 124-142, TRANSL. J. APPL.
        MATH. MECH., 148-172, AMR:21-891 <81.0, 103.7>
ALEKSANDROV, V.M., BELOKON', A.V.
   1   ASYMPTOTIC SOLUTION OF A CLASS OF INTEGRAL EQUATIONS AND
        ITS APPLICATION TO CONTACT PROBLEMS FOR CYLINDRICAL
        ELASTIC BODIES, P.M.M. 31(1967), 704-710, TRANSL. J.
        APPL. MATH. MECH. 718-72⁴, AMR:22-5765 <31.0, 103.7>
ALEKSANDROV, V.M., SMETANIN, B.P.
   1   EQUILIBRIUM CRACK IN A THIN LAYER, P. M. M. 29(1965),
        782-785, TRANSL. J. APPL. MATH. AND MECH., 926-929,
        AMR:20-3156 <103.7>
ALEKSANDROV, V.M., VOROVICH, I.I.
   1   CONTACT PROBLEMS FOR THE ELASTIC LAYER OF SMALL
        THICKNESS, P.M.M. 28(1964), 350-351, TRANSL. J. APPL.
        MATH. AND MECH., 425-427, AMR:18-4599 <76.0, 81.0,
        103.7>
   2   THE ACTION OF A DIE ON AN ELASTIC LAYER OF FINITE
        THICKNESS, P. M. M. 24(1960), 323-333, TRANSL. J.
        APPLIED MATH. MECH., 462-476, MR:22-8803 <103.7>
ALEKSANDRYAN, R.A., ARUTIUNIAN, N.KH., MAUKYAN, M.M.
   1   THE RELAXATION PROBLEM OF PRISMATIC BEAM BENDING, IZV.
        AKAD. NAUK SSSR OTD. TEKH. NAUK. MEKH. I MATH. 1 (1959)
        73-81, AMR:14-6527 <106.0>
ALEKSEEV, A.D.
   1   A SINGULAR INTEGRAL EQUATION ON THE CONTOUR OF CLASS R.,
        DOKL. AKAD. NAUK SSSR 136(1961) 525-528, TRANSL. SOVIET
        MATH. 2(1961) 83-86, MR:24-A993 <78.0, 74.5>
ALEKSIDZE, M.A.   (SEE ALSO - KUPRADZE, V.D.)
   1   NOTES ON AN APPROXIMATE METHOD OF SOLVING BOUNDARY VALUE
        PROBLEMS, DOKL. AKAD. NAUK SSSR 173(1967), 9-11, TRANSL.
        SOVIET MATH. DOKL. 8(1967), 297-299, MR:35-3902 <59.8>
ALKSNE, Y.   (SEE - SPREITER, J.R.)
ALLEN, R.C.
   1   FUNCTIONAL RELATIONSHIPS FOR FREDHOLM INTEGRAL EQUATIONS
        ARISING FROM PSEUDO-TRANSPORT PROBLEMS, J. MATH. ANAL.
        APPL. 30(1970), 48-78, MR:41-2323 <59.4, 77.0>
ALLEN, R.C., WING, G.M.
   1   A METHOD FOR COMPUTING EIGENVALUES OF CERTAIN
        SCHRODINGER LIKE EQUATIONS, J. MATH. ANAL. APPLIC. 15
        (1966) 340-354, MR:35-6374 <54.0, 59.4, 117.0>
ALTERMAN, Z.   (SEE - PEKERIS, C.L.)

ALTMAN, M.
1   A FIXED POINT THEOREM IN HILBERT SPACE, BULL. ACAD.
    POLON. SCI. CL. III 5(1957), 19-22, MR:19-29 <37.5>
2   ON LINEAR FUNCTIONAL EQUATIONS IN HILBERT SPACE, BULL.
    ACAD. POLON. SCI. CL. III 5(1957), 223-227, MR:19-297
    <34.0>

ALY, H.H., RIAZUDDIN, ZIMERMAN, A.H.
1   HIGHLY SINGULAR POTENTIAL AND PERATIZATION, IL NUOVO
    CIMENTO 35(1965), 324-328, MR:31-4384 <116.0>

AMADO, R.D.   (SEE - KENSCHAFT, R.P.)

AMANN, H.
1   UBER DIE EXISTENZ UND ITERATIVE BERECHNUNG EINER LOSUNG
    DER HAMMERSTEIN'SCHEN GLEICHUNG, AEQUATIONES MATH.
    1(1968), 242-266, MR:38-4933 <26.0, 34.0, 49.0>
2   EIN EXISTENZ- UND EINDEUTIGKEITSSATZ FUR DIE
    HAMMERSTEINSCHE GLEICHUNG IN BANACHRAUMEN, MATH. ZEITS.
    111(1969), 175-190, MR:40-7894 <26.0, 34.0>
3   ZUM GALERKINSCHE VERFAHREN FUR DIE HAMMERSTEINSCHE
    GLEICHUNG, ARCH. RAT. MECH. ANAL. 35 (1968) 114-121
    <48.5>
4   EIN ITERATIONVERFAHREN FUR EINE VON C.L. DOLPH
    BETRACHTETE KLASSE VON GLEICHUNGEN HAMMERSTEINSCHEN TYPS,
    Z. ANGEW MATH. MECH. 48(1968), T50-T53, MR:41-4167
    <26.0, 48.5, 49.0>
5   UBER DIE KONVERGENZGESCHWINDIGKEIT DES
    GALERKIN-VERFAHRENS FUR DIE HAMMERSTEINSCHE GLEICHUNG,
    ARCH. RAT. MECH. ANAL. 37(1970), 33-47, MR:40-7893
    <26.0, 48.5>

AMERIO, L.
1   SULLE EQUAZIONI INTEGRALI CON NUCLEO SIMMETRIZZABILE,
    IST. LOMBARDO SCI. LETT. REND. CL. SCI. MAT. NAT.
    90(1956), 141-155, MR:18-657 <90.9>

ANDERSON, C.
1   THE APPLICATION OF THE LICHTENSTEIN-GERSHGORIN INTEGRAL
    EQUATION IN CONFORMAL MAPPING, NORD. TIDSKR.
    INFORM.-BEHANDL. (B. I. T.) 1 (1961) 141-166, MR:27-3788
    <107.0>

ANDERSON, D.G.
1   ITERATIVE PROCESSES FOR NONLINEAR INTEGRAL EQUATIONS, J.
    ASSOC. COMP. MACH. 12(1965), 547-560, MR:32-1919 <49.0>
2   ON THE NUMERICAL SOLUTION OF CERTAIN NONLINEAR INTEGRAL
    EQUATIONS, HARVARD UNIV. ENG. SCI. LAB. TR-26 (1966)
    <49.0>
3   NUMERICAL SOLUTION OF THE KROOK KINETIC EQUATION, J.
    FLUID MECH. 25(1966) 271-287, MR:34-3862 <53.6, 119.2>
4   ON THE STEADY KROOK KINETIC EQUATION I., J. FLUID MECH.
    26(1966) 17-35, AMR:20-7296 <53.6, 119.2>

ANDREASON, M.G.   (SEE - TANNER, R.L.)

ANDRONOV, V.N.
1   SOME EVALUATIONS OF GREEN'S FUNCTION FOR HELMHOLTZ'S
    EQUATION, 7. VYCH. MAT. MAT. FIZ. 5(1965), 1006-1023,
    TRANSL. U. S. S. R. COMP. MATH. AND MATH. PHYS. 38-63
    <95.5>

ANG, D.D.   (SEE ALSO - MAL, A.K.)
   1 ELASTIC WAVES GENERATED BY A FORCE MOVING ALONG A CRACK,
         J. MATH. AND PHYS. 38(1959/60), 246-256, MR:22-3247
         <74.0, 105.8>
ANSELONE, P.M.
   1 COLLECTIVELY COMPACT AND TOTALLY BOUNDED SETS OF LINEAR
         OPERATORS, J. MATH. MECH. 17(1968), 613-622 <47.0>
   2 COLLECTIVELY COMPACT APPROXIMATIONS OF INTEGRAL
         OPERATORS WITH DISCONTINUOUS KERNELS, J. MATH. ANAL.
         APPL. 22(1968), 582-590, MR:37-796 <47.0>
   3 COLLECTIVELY COMPACT OPERATOR APPROXIMATIONS, STANFORD
         UNIV. TECH. REPT. 76(1967) <05.0, 42.0, 47.0>
   4 CONVERGENCE AND ERROR BOUNDS FOR APPROXIMATE SOLUTIONS
         OF INTEGRAL AND OPERATOR EQUATIONS, IN 'ERROR IN DIGITAL
         COMPUTATION' VOL. 2. ED. L. B. RALL, WILEY, N.Y.(1965),
         231-252, MR:32-6704 <42.0, 47.0>
   5 CONVERGENCE OF CHANDRASEKHAR'S METHOD FOR THE PROBLEM OF
         DIFFUSE REFLECTION, MONTHLY NOTICES ROY. ASTRON. SOC.
         120(1960), 498-503, MR:22-5457 <42.0, 119.0>
   6 CONVERGENCE OF THE WICK-CHANDRASEKHAR APPROXIMATION
         TECHNIQUE IN RADIATIVE TRANSFER, I, ASTRO PHYS. J.
         128(1958), 124-129, II, IBID. 130(1959), 881-883,
         MR:22-10759,MR:22-10760 <42.0, 119.0>
   7 INTEGRAL EQUATIONS OF THE SCHWARZCHILD-MILNE TYPE, J.
         MATH. MECH. 7(1958), 557-570, MR:24-A1585 <119.0>
   8 (ED.) NONLINEAR INTEGRAL EQUATIONS, UNIVERSITY OF
         WISCONSIN PRESS (1964), MR:28-4321 <01.0>
   9 PERTURBATIONS OF COLLECTIVELY COMPACT OPERATORS, M.R.C.
         TECH. REPT. NO. 726, (1967) <47.0>
  10 UNIFORM APPROXIMATION THEORY FOR INTEGRAL EQUATIONS WITH
         DISCONTINUOUS KERNELS, SIAM J. NUMER. ANAL. 4(1967),
         245-253, MR:35-3386 <42.0, 47.0>
  11 CONVERGENCE OF CHANDRASEKHAR'S METHOD FOR INHOMOGENEOUS
         TRANSFER PROBLEMS, J. MATH. MECH. 10 (1961) 537-546,
         MR:23-8449 <42.0, 119.0>
  12 COLLECTIVELY COMPACT OPERATOR APPROXIMATION THEORY, AND
         APPLICATIONS TO INTEGRAL EQUATIONS, PRENTICE-HALL,
         (1971) <03.0, 42.0, 47.0>
ANSELONE, P.M., BUECKNER, H.F.
   1 ON A DIFFERENCE-INTEGRAL EQUATION, J. MATH. MECH.
         11(1962), 81-100, MR:25-410 <34.0, 39.7>
   2 ON A DIFFERENCE - INTEGRAL EQUATION, II LAPLACE
         TRANSFORM TREATMENT, M. R. C. TECH. SUMMARY REPT. NO.
         268, JAN. (1962) <39.7, 65.0>
ANSELONE, P.M., BUECKNER, H.F., GREENSPAN, D.
   1 SOLUTION OF AN INTEGRAL EQUATION OF THE THIRD KIND BY
         SUCCESSIVE APPROXIMATIONS, M. R. C. TECH. REPT. NO. 345
         (1963)
ANSELONE, P.M., GONZALEZ-FERNANDEZ, J.M.
   1 UNIFORMLY CONVERGENT APPROXIMATE SOLUTIONS OF FREDHOLM'S
         INTEGRAL EQUATIONS, J. MATH. ANAL. APPL. 10 (1965)
         519-536, MR:36-1921 <42.0>

ANSELONE, P.M., GREENSPAN, D.
1   ON A CLASS OF LINEAR DIFFERENCE-INTEGRAL EQUATIONS,
    ARCHIVE FOR RAT. MECH. ANAL. 13(1963), 59-80, MR:27-6053
    <34.0,   39.7>
ANSELONE, P.M., MOORE, R.H.
1   APPROXIMATE SOLUTIONS OF INTEGRAL AND OPERATOR EQUATIONS,
    J. MATH. ANAL. APPL. 9 (1964) 268-277, MR:32-1920
    <47.0>
2   AN EXTENSION OF THE NEWTON-KANTOROVIC METHOD FOR SOLVING
    NONLINEAR EQUATIONS WITH AN APPLICATION TO ELASTICITY,
    J. MATH. ANAL. APPL. 13(1966), 476-501, MR:32-8089
    <49.8, 104.2>
ANSELONE, P.M., PALMER, T.W.
1   COLLECTIVELY COMPACT SETS OF LINEAR OPERATORS, PACIFIC
    J. MATH. 25(1968), 417-422, MR:37-3390 <47.0>
2   SPECTRAL ANALYSIS OF COLLECTIVELY COMPACT, STRONGLY
    CONVERGENT OPERATOR SEQUENCES, PACIFIC J. MATH. 25(1968),
    423-431, MR:37-3391 <47.0>
3   SPECTRAL PROPERTIES OF COLLECTIVELY COMPACT SETS OF
    LINEAR OPERATORS, J. MATH. MECH. 17(1968), 853-860
    <47.0>
ANSELONE, P.M., RALL, L.B.
1   THE SOLUTION OF CHARACTERISTIC VALUE-VECTOR PROBLEMS BY
    NEWTON'S METHOD., NUMER. MATH. 11(1968) 38-45,,
    MR:36-4795 <49.8,   54.0>
ANTOHIN, JU.T.
1   ILL-POSED PROBLEMS FOR CONVOLUTION TYPE EQUATIONS,
    DIFFERENCIAL'NYE URAVNENIJA 4(1968), 1691-1704,
    MR:40-3370 <56.0>
APARO, E.L.
1   SULLA RISOLUZIONE NUMERICA DELLE EQUAZIONI INTEGRALI DI
    VOLTERRA DI SECONDA SPECIE, REND. ACCAD. LINCEI
    (3)26(1959), 183-188, MR:23-B3159 <13.0>
APPLING, W.D.L.
1   CONCERNING A CERTAIN NONLINEAR INTEGRAL EQUATION, REND.
    CIRC. MAT. PALERMO (2) 11 (1962), 126-128, MR:27-554
    <11.0>
AR , E.
1   ON THE LOW FREQUENCY ACOUSTICAL SCATTERING OF A PLANE
    WAVE FROM A SOFT SPINDLE AT A NOSE-ON INCIDENCE, QUART.
    APPL. MATH. 25(1967), 285-292, AMR:21-7787 <35.0>
ARBENZ, K.
1   INTEGRALGLEICHUNGEN FUR EINIGE RANDWERTPROBLEME FUR
    GEBIETE MIT ECKEN, Z. ANGEW. MATH. PHYSIK 8(1957),
    251-254, MR:21-227 <90.7>
ARROW, K.J., KARLIN, S., SCARF, H.
1   STUDIES IN THE MATHEMATICAL THEORY OF INVENTORY AND
    PRODUCTION, STANFORD UNIVERSITY PRESS (1958), MR:20-767
    <121.0>
ARSAC, J.
1   FOURIER TRANSFORMS AND THE THEORY OF DISTRIBUTIONS,
    PRENTICE-HALL (1966) <62.1>

ARSCOTT, F.M.
1 TWO-PARAMETER EIGENVALUE PROBLEMS IN DIFFERENTIAL
     EQUATIONS, PROC. LONDON MATH. SOC. 14(1964) 459-470.,
     MR:29-2453 <89.0>
2 INTEGRAL EQUATIONS AND RELATIONS FOR LAME FUNCTIONS,
     QUAPT. J. MATH. OXFORD SER. (2) 15(1964), 103-115,
     MR:28-4161 <87.0>
ARSENIN, V.JA.
1 THE DISCONTINUOUS SOLUTIONS OF EQUATIONS OF THE FIRST
     KIND, Z. VYCISL. MAT. I MAT. FIZ. 5 (1965) 922-925
     TRANSL. USSR COMP. MATH. AND MATH. PHYS. 202-209 <56.0>
ARSENIN, V.JA., IVANOV, V.K.
1 THE SOLUTION OF CERTAIN CONVOLUTION TYPE INTEGRAL
     EQUATIONS OF THE FIRST KIND BY THE METHOD OF
     REGULARIZATION, Z. VYCISL. MAT. I MAT. FIZ. 8(1968),
     310-321, TRANSL. USSR COMP. MATH. AND MATH. PHYS. 88-106,
     MR:37-6710 <56.2>
ARTHURS, A.M.   (SEE - ROBINSON, P.C.)
ARUTIUNIAN, N.KH.   (SEE ALSO - ABRAMIAN, B.L.,
                         ALEKSANDRYAN, R.A.)
1 THE PLANE CONTACT PROBLEM OF THE THEORY OF CREEP, P.M.M.
     23 (1959) 901-924 TRANSL. J. APPL. MATH. MECH. 1283-1313
     <79.5, 106.0>
2 CONTACT PROBLEM FOR A HALF-PLANE WITH ELASTIC
     REINFORCEMENT, J. APPL. MATH. MECH. 32(1968), 652-665
     <103.6>
3 CONTACT PROBLEMS OF CREEP THEORY, P. M. M. 31(1967),
     906-917, TRANSL. J. APPL. MATH. MECH., 897-906, AMR:
     22-4953 <106.0>
ARUTIUNIAN, N.KH., ABRAMIAN, B.L.
1 ON THE IMPRESSION OF A RIGID DIE INTO AN ELASTIC SPHERE,
     P.M.M. 28(1964), 1101-1105, TRANSL. J. APPL. MATH. MECH.,
     1322-1327, AMR:20-4063 <66.7, 103.9>
2 ON PRESSING A RIGID PUNCH INTO AN ELASTIC SPHERE,
     PROC.11TH INT. CONGR. APPL. MATH, SPRINGER (1966),
     510-517, MR:20-1563 <103.9>
ARUTIUNIAN, N.KH., BABLOIAN, A.A.
1 CONTACT PROBLEMS FOR A HALF-SPACE WITH AN INCLUSION,
     P.M.M. 30(1966), 1050-1056, TRANSL. J. APPL. MATH. MECH.,
     1249-1255 <67.5, 103.6>
2 TWO DYNAMICAL CONTACT PROBLEMS FOR AN ELASTIC SPHERE,
     P.M.M. 29(1965), 526-531, TRANSL. J. APPL. MATH. MECH.,
     620-627, AMR:20-6435 <103.6,-4063 >
ARUTIUNIAN, N.KH., MANUKIAN, M.M.
1 THE CONTACT PROBLEM IN THE THEORY OF CREEP WITH
     FRICTIONAL FORCES TAKEN INTO ACCCUNT, PMM 27(1963),
     813-820, TRANSL. J. APPL. MATH. MECH., 1244-1254,,
     AMR:18-750 <79.5, 106.0>
2 ON THE INDENTATION OF A RIGID WEDGE INTO A SEMIPLANE
     UNDER CONDITIONS OF CREEP, P.M.M. 26(1962), 165-169,
     TRANSL. J. APPL. MATH. MECH., 226-233, AMR:16-4416
     <79.5, 106.0>

   3 TORSION OF CIRCULAR RODS OF VARYING DIAMETER UNDER
         CONDITIONS OF UNSTEADY CREEP, SOC. INDUSTR. AND APPL.
         MATH. (1961), 1-20, AMR:15-1306 <106.0>

ARUTIUNIAN, N.KH., MKHITARIAN, S.M.
   1 PERIODIC CONTACT PROBLEM FOR A HALF-PLANE WITH ELASTIC
         LAPS, PMM 33 (1969), 813-843, TRANSL. IN J. APPL. MATH.
         MECH., 791-819 <103.1>

ARZANYH, I.S.
   1 INTEGRAL EQUATIONS OF BASIC PROBLEMS IN THE THEORY OF
         VECTOR FIELDS AND IN ELASTICITY, TASHKENT, 1954,
         MR:20-4944 <105.0>
   2 THE FUNDAMENTAL INTEGRAL EQUATIONS OF THE DYNAMICS OF AN
         ELASTIC BODY, DOKLADY AKAD. NAUK SSSR (N.S.) 81,
         513-516(1951), MR:14-220 <105.0>
   3 INTEGRAL EQUATIONS FOR THE DESCRIPTIONS OF THE
         DISPLACEMENT VECTOR, VOLUME EXPANSION, AND ROTATION OF A
         ELASTIC BODY (RUSSIAN), P.M.M. 15(1951), 387-391,
         MR:13-183 <105.0>
   4 THE INTEGRAL EQUATIONS OF STEADY MOTION OF A VISCOUS
         INCOMPRESSIBLE FLUID, DOKL. AKAD. NAUK SSSR (N. S.)
         74(1950), 21-24, MR:12-367 <113.0>
   5 INTEGRAL EQUATIONS OF THE THEORY OF ELASTICITY, USPEHI
         MATEM. NAUK (N. S.) 4, NO. 5(33), (1949), 176-177,
         MR:11-282 <104.0>
   6 THE INTEGRAL EQUATIONS OF THE DEFORMATION VECTOR OF THE
         STATICS OF AN ISOTROPIC ELASTIC BODY, DOKL. AKAD. NAUK
         SSSR(N. S.) 75(1950), 783-786, MR:13-87 <104.0>
   7 THE INTEGRAL EQUATIONS OF THE DYNAMICS OF AN ELASTIC
         BODY, DOKL. AKAD. NAUK SSSR (N. S.) 76(1951), 501-503,
         MR: 13-88 <105.0>
   8 CONSTRUCTION OF THE INTEGRAL EQUATIONS OF STATICS IN THE
         THEORY OF ELASTICITY BY MEANS OF GREEN'S FUNCTIONS,
         AKAD. NAUK UZBEK. SSSR. TRUDY INST. MAT. MEH. 10(1953),
         5-25, MR:19-193 <104.0>
   9 INTEGRAL EQUATIONS OF THE FUNDAMENTAL PROBLEMS OF THE
         THEORY OF A FIELD, AKAD. NAUK UZBEK. SSR TRUDY INST.
         MAT. MEH. 13(1954), 19-41, MR:18-808 <90.9>
  10 REGULAR INTEGRAL EQUATIONS OF THE DYNAMICS OF AN ELASTIC
         BODY, AKAD. NAUK UZBEK. SSR TRUDY INST. MAT. MEH.
         15(1955), 79-85, MR:18-940 <105.0>

ASHLEY, H.   (SEE - BISPLINGHOFF, R.L.)

ASHOUR, A.A.
   1 AN INTEGRAL EQUATION FOR THE ASSOCIATED LEGENDRE
         FUNCTION OF THE FIRST KIND, J. MATH. PHYS. 5(1964),
         1421-1423, MR:29-5075 <87.0>
   2 CERTAIN EXPANSIONS CONNECTED WITH INTEGRAL EQUATIONS,
         PROC. MATH. PHYS. SOC. EGYPT 4, 9-14(1951), MR:13-657
         <21.2>
   3 ELECTROMAGNETIC INDUCTION IN FINITE THIN SHEETS, QUART.
         J. MECH. APPL. MATH. 18(1965), 73-86, MR:34-5394 <92.8>
   4 NOTE ON THE RELATIONS BETWEEN SERIES EQUATIONS AND
         INTEGRAL EQUATIONS, PROC. CAMB. PHIL. SOC. 61(1965),
         695-696, MR:31-3804 <66.0>

5   ON A TRANSFORMATION OF COORDINATES BY INVERSION AND ITS
         APPLICATION TO ELECTROMAGNETIC INDUCTION IN A THIN
         PERFECTLY CONDUCTING HEMISPHERICAL SHELL, PROC. LONDON
         MATH. SOC. (3) 15(1965), 557-576, MR:31-4336   <66.0,
         92.8>
   6   THE INDUCTION OF ELECTRIC CURRENTS IN A UNIFORM CIRCULAR
         DISK, Q.J.M.A.M. 3(1950), 119-128, MR:12-147   <92.1>
ASKEY, R.
   1   DUAL EQUATIONS AND CLASSICAL ORTHOGONAL POLYNOMIALS, J.
         MATH. ANAL. APPLIC. 24(1968), 677-685, MR:38-2553   <65.0>
ATKINSON, D.
   1   EXISTENCE OF SOLUTION OF N/D EQUATIONS, J. MATH. PHYS.
         7(1966), 1607-1612   <116.8>
ATKINSON, F.V.
   1   SOME ASPECTS OF BAXTER'S FUNCTIONAL EQUATION, J. MATH.
         ANAL. APPL. 7(1963), 1-30, MR:27-5135   <72.1>
ATKINSON, K.E.
   1   EXTENSIONS OF THE NYSTROM METHOD FOR THE NUMERICAL
         SOLUTION OF LINEAR INTEGRAL EQUATIONS OF THE SECOND KIND,
         MRC TECH. SUMMARY REPT. NO. 686 (AUG., 1966)   <42.0,
         43.0, 47.0, 54.0>
   2   THE NUMERICAL SOLUTION OF THE EIGENVALUE PROBLEM FOR
         COMPACT INTEGRAL OPERATORS, TRANS. AMER. MATH. SOC.
         129(1967), 458-465, MR:36-3172   <54.0>
   3   THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF
         THE SECOND KIND, SIAM J. NUMER. ANAL. 4(1967), 337-348,
         MR:36-7358   <43.0>
   4   THE NUMERICAL SOLUTION OF INTEGRAL EQUATIONS ON THE
         HALF-LINE, SIAM J. NUM. ANAL. 6(1969), 375-397   <42.0>
   5   THE SOLUTION OF NON-UNIQUE LINEAR INTEGRAL EQUATIONS,
         NUM. MATH. 10(1967), 117-124, MR:36-3082   <42.0, 45.9>
AUER, P.L., GARDNER, C.S.
   1   NOTE ON SINGULAR INTEGRAL EQUATIONS OF THE
         KIRKWOOD-RISEMAN TYPE, J. CHEM. PHYS. 23(1955),
         1545-1546, (SEE ALSO 1546-1547   <77.0, 124.0>
AUMANN, G.
   1   ZUR EXISTENZ EINES EIGENWERTES EINER INTEGRALGLEICHUNG,,
         MATH. NACHR. 14(1955), 73-74, MR:18-48   <24.0, 48.5>
AZBELEV, N.V., CALJUK, Z.B.
   1   UNIQUENESS OF THE SOLUTION OF AN INTEGRAL EQUATION,
         DOKL. AKAD. NAUK. 156(1964), 239-243, TRANSL. SOVIET
         MATH. DOKL. 5(1964), 611-614, MR:28-4312   <47.0>
AZPEITIA, A.G., NEWELL, G.F.
   1   THEORY OF OSCILLATION TYPE VISCOMETERS III A THIN DISK,
         ZAMP 9(1958), 97-118, MR:20-4989   <71.8, 92.1, 113.0>
   2   THEORY OF OSCILLATION TYPE VISCOMETERS, IV. A THICK DISK,
         Z. ANGEW. MATH. PHYS. 10(1959), 15-34, MR:21-2442
         <92.1, 113.0>
BABESHKO, V.A.   (SEE ALSO - ALEKSANDROV, V.M.)
   1   THE INTEGRAL EQUATION OF CERTAIN DYNAMIC CONTACT
         PROBLEMS OF ELASTICITY THEORY AND MATHEMATICAL PHYSICS,
         PRIKL. MAT. MEH. 33(1969), 52-60, TRANSL. J. APPL. MATH.
         MECH. 33(1969), 40-49, MR:41-4880   <77.0, 105.7>

BABLOYAN, A.A.   (SEE ALSO - ABRAMIAN, B.L.,
                         ARUTIUNIAN, N.KH.)
   1 SOLUTIONS OF CERTAIN DUAL INTEGRAL EQUATIONS, P.M.M.
         28(1954), 1015-1023, TRANSL. J. APPL. MATH. MECH.,
         1227-1237, AMR:19-4726 <67.8>
   2 SOLUTION OF SOME DUAL EQUATIONS ENCOUNTERED IN PROBLEMS
         OF THE THEORY OF ELASTICITY, P.M.M. 31(1967), 678-689,
         TRANSL. IN J. APPL. MATH. MECH. 31(1967), 694-704,
         AMR:22-2301 <66.1, 66.7>
   3 THE SOLUTION OF SOME DUAL SERIES, AKAD. NAUK ARMJAN. SSR
         DOKL. 39(1964), 149-157, MR:30-2   <66.1, 66.7>
   4 ON TWO INTEGRAL EQUATIONS OF THE FREDHOLM TYPE,
         IZVESTIYA AKAD. NAUK ARMYANSKOI SSR, MEKHANIKA 19(1966),
         3-7, AMR:20-6236
BABLOYAN, A.A., GULKANIAN, N.C.
   1 TORSION OF A HEMISPHERE, IZV. AKAD. NAUK ARMYANSKOI SSR,
         MEKH 19(1966) 3-12, AMR:22-135
BADESCU, R.
   1 SUR UNE EQUATION INTEGRALE LINEAIRE, REV. MATH. PURES
         APPL. 4(1959), 221-231, MR:22-5856 <22.0>
   2 SUR UNE EQUATION INTEGRALE, MATHESIS 24 (1928) 414-416
         <12.0>
   3 SUR UNE EQUATION INTEGRALE, MATHESIS 42 (1928) 205-210
         <12.0>
BAGGEROER, A.B.
   1 A STATE-VARIABLE APPRO .H TO THE SOLUTION OF FREDHOLM
         INTEGRAL EQUATIONS, IEEE TRANSACTIONS ON INFORMATION
         THEORY, VIT-15 (1969), 557-570 <22.0>
BAHAR, L.Y.   (SEE - ERDOGAN, F.)
BAHRAH, L.D.
   1 ON THE SOLUTION OF THE INTEGRAL EQUATION OF A LINEAR
         ANTENNA, DOKL. AKAD. NAUK. SSSR(N.S.) 92(1953), 755-758,
         MR:15-716 <102.0>
BAHTIN, I.A., KRASNOSEL'SKII, M.A.
   1 ON THE PROBLEM OF LONGITUDINAL BENDING OF A ROD OF
         VARIABLE STIFFNESS, DOKL. AKAD. NAUK SSSR (N.S.) 105
         (1955), 621-624, MR:17-803 <115.0>
BAILEY, P.B., WING, G.M.
   1 SOME RECENT DEVELOPMENTS IN INVARIANT IMBEDDING WITH
         APPLICATIONS, J. MATH. PHYS. 6(1965), 453-462,
         MR:30-2882 <S9.4, 119.7>
BAIRSTOW, L., BERRY, A.
   1 TWO DIMENSIONAL SOLUTIONS OF POISSON'S AND LAPLACE'S
         EQUATIONS, PROC. ROY. SOC. LONDON A95 (1919) 457-475
         <53.1, 90.0>
BAKER, C.T.H.
   1 THE DEFERRED APPROACH TO THE LIMIT FOR EIGENVALUES OF
         INTEGRAL EQUATIONS, SIAM J. NUM. ANAL. 8(1971), 1-10
         <54.0>

BAKER, C.T.H., FOX, L., MAYERS, D.F., WRIGHT, K.
1   NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF THE
      FIRST KIND, COMP. J. 7(1964), 141-148, MR:31-5355 <56.0>
BAKUSHINSKII, A.B.   (SEE ALSO - VLASOV, V.K.)
1   A GENERAL METHOD OF CONSTRUCTING REGULARIZATION
      ALGORITHMS FOR LINEAR ILL-POSED EQUATIONS IN A HILBERT
      SPACE, Z. VYCISL. MAT. MAT. FIZ. 7 (1967) 672-677,
      TRANSL. USSR COMP. MATH. AND MATH. PHYS., 279-287
      <56.2>
2   A METHOD OF SOLVING ''DEGENERATE'' AND '' ALMOST
      DEGENERATE'' LINEAR ALGEBRAIC EQUATIONS, Z. VYCISL. MAT.
      I MAT. FIZ. 1522-1525, 1113-1114 TRANSL. USSR COMP.
      MATH. AND MATH. PHYS. 3 (1963), MR:28-175 <45.9, 59.0>
3   ON A CERTAIN NUMERICAL METHOD OF SOLUTION OF FREDHOLAN
      INTEGRAL EQUATION OF THE FIRST KIND, COMPUT. METHODS
      PROGRAMMING V, 99-106, IZDET. MOSKOV. UNIV. MOSCOW
      (1966), MR:35-6386 <56.2>
4   SOME PROPERTIES OF REGULARIZING ALGORITHIMS, ZH.
      VYCHISL. MAT. MAT. FIZ 8(1968), 426-429, TRANSL. U. S.
      S. R. COMP. MATH. AND MATH. PHYS., 254-259, MR:37-2481
      <56.2>
BAKUSHINSKII, A.B., STRAKHOV, V.N.
1   THE SOLUTION OF CERTAIN INTEGRAL EQUATIONS OF THE FIRST
      KIND BY THE METHOD OF SUCCESSIVE APPROXIMATIONS, Z.
      VYCISL. MAT. I MAT. FIZ. (1968), 181-195, TRANSL. USSR
      COMP. MATH. AND MATH. PHYS., 250-256, MR:37-3371 <56.0>
BALACHANDRAN, A.P.
1   INEQUALITIES FOR THE SOLUTIONS OF LINEAR INTEGRAL
      EQUATIONS, J. MATH. PHYS. 6(1965), 1530-1533, MR:32-8074
      <45.8, 59.0>
BALBINE, G., FRANKLIN, J.
1   THE CALCULATION OF FOURIER INTEGRALS, MATH. COMP.
      20(1966), 570-589 <63.0>
BALUEV, A.N.
1   APPROXIMATE SOLUTION OF NONLINEAR INTEGRAL EQUATIONS,
      LENINGRAD GOS. UNIV. UC. ZAP. SER. MAT. NAUK 33(1958),
      28-31, MR:22-3959 <42.0>
2   APPLICATION OF SEMI-ORDERED NORMS IN APPROXIMATE
      SOLUTION OF NONLINEAR EQUATIONS, LENINGRAD. GOS. UNIV.
      UE. ZAP. SER. MAT. NAU 33(1958), 18-27, MR:22-3958
      <46.0>
BANACH, S.
1   THEORIE DES OPERATIONS LINEAIRES, CHELSEA, 1955,
      MR:17-175 <03.0>
BANAUGH, R.P., GOLDSMITH, W.
1   DIFFRACTION OF STEADY ACOUSTIC WAVES BY SURFACES OF
      ARBITRARY SHAPE, J. ACOUST. SOC. AMER. 35, (1963),
      1590-1601, MR:27-6470 <95.0>
2   DIFFRACTION OF STEADY ELASTIC WAVES BY SURFACES OF
      ARBITRARY SHAPE, J. APPL. MECH. (1963), 589-597 <105.5>

BANCURI, R.D., DZANASIJA, G.A.
    1   EQUATIONS OF CONVOLUTION TYPE FOR THE SEMI-AXIS. DOKL.
        AKAD. NAUK SSSR 155(1964), 251-253, MR:28-3301
BANDEMER, H.
    1   ANWENDUNG DES QD ALGORITHMS VON RUTISHAUSER ZUR
        BESTIMMUNG DER EIGENWERTE VON INTEGRALGLEICHUNGEN, WISS.
        Z. TECH. UNIV. DRESDEN ,12(1963), 112-114, MR:29-3000
        <54.0>
BANDER, M.
    1   AN ITERATIVE SOLUTION OF THE N/D EQUATION. J. MATH.
        PHYS. 5(1964), 1427-1430, MR:31-3049 <116.8>
BANDER, M., SHAW, G.L.
    1   THRESHOLD AND ASYMPTOTIC BEHAVIOR OF THE N/D EQUATIONS,
        ANNAL. PHYS. 31(1965), 506-524, MR:32-3572 <116.8>
BARAFF, C.A.
    1   GREEN'S FUNCTION FOR THE NONLOCAL WAVE EQUATION. J.
        MATH. PHYS. 11(1970), 1938-1941, MR:41-7399 <71.0,
        101.0>
    2   TRANSMISSION OF ELECTROMAGNETIC WAVES THROUGH A
        CONDUCTING SLAB. I. THE TWO-SIDED WIENER-HOPF SOLUTION,
        J. MATH. PHYS. 9(1968), 372-384 <71.0, 96.0>
    3   TRANSMISSION OF ELECTROMAGNETIC WAVES THROUGH A
        CONDUCTING SLAB. II. THE PEAK AT CYCLOTRON RESONANCE,
        PHYS. REV. 167(1968), 625-636 <71.0, 96.0>
    4   TRANSMISSION OF ELECTROMAGNETIC WAVES THROUGH A
        CONDUCTING SLAB. III. EFFECT OF BOUNDARY SCATTERING ON
        HELICON TRANSMISSION NEAR CUT OFF, PHYS. REV. 178(1969),
        1155-1165 <71.0, 96.0>
BARAKAT, R.G.
    1   INCOMPRESSIBLE FLOW AROUND POROUS TWO-DIMENSIONAL SAILS
        AND WINGS, J. MATH. PHYS. 47(1968), 327-349, AMR:22-6310
        <78.0, 108.0>
    2   SOLUTION OF AN ABEL INTEGRAL EQUATION FOR BAND-LIMITED
        FUNCTIONS BY MEANS OF SAMPLING, J. MATH. AND PHYS.
        43(1964), 325-331, MR:30-423 <123.2>
    3   VERTICAL MOTION OF A FLOATING SPHERE IN A SINE-WAVE SEA,
        J. FLUID MECH. 13(1962), 540-556, MR:26-959 <112.5>
BARATALIEV, K.B.
    1   THE APPROXIMATE SOLUTION OF LINEAR INTEGRAL EQUATIONS OF
        MIXED TYPE WITH RETARDED ARGUMENT BY MEANS OF A CERTAIN
        VARIENAT OF JU. D. SOKOLOV'S METHOD, DIFFERENCIAL'NYE
        URAVNENIJA 4(1968), 2084-2088, MR:38-6184 <45.6>
BARBU, V.
    1   SUR UNE EQUATION INTEGRALE NONLINEAIRE, AN. STI. UNIV.
        'AL. I. CUZA' IASA SECT. 10(1964), 61-65, MR:32-6176
        <12.5>
BARDEEN, J., COOPER, L.N., SCHRIEFFER, J.R.
    1   THEORY OF SUPERCONDUCTIVITY, PHYS. REV. 108(1957),
        1175-1204, MR:20-2196 <117.1>
BARLETT, C.C.   (SEE - NOBLE, B.)

BAREISS, E.H.
    1   A SURVEY AND CLASSIFICATION OF TRANSPORT THEORY
        CALCULATION TECHNIQUES, U. N. PEACEFUL USES OF ATOMIC
        ENERGY (SECOND CONFCE.), GENEVA 1958, VOL. 16, 503-516
        <53.6, 119.0>
BAREISS, E.H., ABU-SHUMAYS, I.K.
    1   ON THE STRUCTURE OF THE ISOTROPIC TRANSPORT OPERATORS IN
        THREE INDEPENDENT SPACE VARIABLES, ARGONNE NAT. LABS.
        ANL-7328(1967) <25.0, 119.0>
BAREISS, E.H., NEUMAN, C.P.
    1   SINGULAR INTEGRALS AND SINGULAR INTEGRAL EQUATIONS WITH
        A CAUCHY KERNEL AND THE METHOD OF SYMMETRIC PAIRING,
        ARGONNE NAT. LAB. ANL-6988 (1965) <50.0, 53.6>
BARNARD, A.C.L., DUCK, I.M., LYNN, M.S.
    1   THE APPLICATION OF ELECTROMAGNETIC THEORY TO
        ELECTROCARDIOLOGY, I. DERIVATION OF THE INTEGRAL
        EQUATIONS, BIOPHYSICAL J. 7(1967) 433-462 <90.3>
BARNARD, A.C.L., DUCK, I.M., LYNN, S.M., TIMLAKE, W.P.
    1   THE APPLICATION OF ELECTROMAGNETIC THEORY TO
        ELECTROCARDIOLOGY, II. NUMERICAL SOLUTION OF THE
        INTEGRAL EQUATIONS, BIOPHYSICAL J. 7(1967) 463-490
        <53.1, 90.3>
BARNETT, I.A.
    1   INTEGRO-DIFFERENTIAL EQUATIONS WITH CONSTANT LIMITS OF
        INTEGRATION, BULL. AMER. MATH. SOC. 26 (1919) 193-203
        <30.0>
BARON, M.L.   (SEE - MCCORMICK, J.M.)
BARR, G.E.
    1   ON THE DIFFRACTION OF A CYLINDRICAL PULSE BY A
        HALF-PLANE, QUART. J. APPL. MATH. 25(1967), 193-204,
        AMR:21-2558 <96.8>
BARRAR, R.B., DOLPH, C.L.
    1   ON A THREE DIMENSIONAL TRANSMISSION PROBLEM OF
        ELECTROMAGNETIC THEORY, J. RATIONAL. MECH. ANAL.,3(1954),
        725-743, MR:16-313
BARRAT, P.J., COLLINS, W.D.
    1   THE SCATTERING CROSS-SECTION OF AN OBSTACLE IN AN
        ELASTIC SOLID FOR PLANE HARMONIC WAVES, PROC. CAMB.
        PHIL. SOC. 61(1965), 969-981, AMR:19-5589 <105.5>
BARTELS, R.C.F., DOWNING, A.C.,JR.
    1   ON SURFACE WAVES GENERATED BY TRAVELLING DISTURBANCES
        WITH CIRCULAR SYMMETRY, PROCEEDINGS OF THE SECOND U. S.
        NATIONAL CONGRESS OF APPLIED MECHANICS 1954, 607-615,
        MR:19-200
BARTHOLOMEUSZ, E.F.
    1   THE REFLECTION OF LONG WAVES AT A STEP, PROC. CAMB.
        PHIL. SOC. 54(1958), 106-119, MR:20-2944 <77.0, 99.0>
BARTHOLOMEW, D.J.
    1   AN APPROXIMATE SOLUTION OF THE INTEGRAL EQUATION OF
        RENEWAL THEORY, J. ROY. STAT. SOC. B 25(1963), 432-441,
        MR:29-6563 <121.0>

BARTLE, R.G.
1   NEWTON'S METHOD IN BANACH SPACES, PROC. AMER. MATH. SOC.
    6, 827-831(1955), MR:17-176   <49.8>
2   SINGULAR POINTS OF FUNCTIONAL EQUATIONS, TRANS. AMER.
    MATH. SOC. 75(1953), 366-384, MR:15-436   <27.0,   34.0>
BARTRAM, R., SPRUCH, L.
1   BOUNDS ON ELEMENTS OF THE S MATRIX FOR ELASTIC
    SCATTERING - ONE -DIMENSIONAL SCATTERING, J. MATH. PHYS.
    3(1962) 287-296, MR:25-1823   <48.5, 116.3>
BARUT, A.O.
1   THE THEORY OF THE SCATTERING MATRIX FOR THE INTERACTIONS
    OF FUNDAMENTAL PARTICLES, MACMILLAN (1967), MR:35-7650
    <116.8>
BARUT, A.O., RUEI, P.H.
1   ANALYTICAL PROPERTIES OF S-MATRIX AND UNIQUENESS OF THE
    SCATTERING POTENTIAL, J. MATH. PHYS. 2(1961), 181-187,
    MR:22-11864 <116.8>
BASSETTO, A., PACCANONI, F.
1   WIENER-HOPF METHOD AND GENERALIZED INTEGRAL TRANSFORMS,
    J. MATH. PHYS. 10(1969), 1809-1812, MR:40-3216   <70.0>
BATEMAN, H.
1   AN INTEGRAL EQUATION OCCURRING IN A MATHEMATICAL THEORY
    OF RETAIL TRADE, MESS. MATH. 49(1920), 134-135   <12.0,
    121.0>
2   ON THE NUMERICAL SOLUTION OF LINEAR INTEGRAL EQUATIONS,
    PROC. ROY. SOC. A 100(1922), 441-449   <13.0>
3   REPORT ON THE HISTORY AND PRESENT STATE OF THE THEORY OF
    INTEGRAL EQUATIONS, BRIT. ASSOC. ADV. SCI. (1910),
    345-424   <05.0>
4   SOME INTEGRAL EQUATIONS OF POTENTIAL THEORY, J. APPL.
    PHYS. 17(1946), 91-102, MR:7-305   <90.0>
5   TWO INTEGRAL EQUATIONS, PROC. NAT. ACAD. SCI. U.S.A.
    31(1945), 196-200, MR:7-206
6   THE INVERSION OF A DEFINITE INTEGRAL, MATH. ANN. 63
    (1907) 525-548   <29.0>
7   A FORMULA FOR THE SOLVING FUNCTION OF A CERTAIN INTEGRAL
    EQUATION OF THE SECOND KIND, MESS. MATH. (1908) 179-187
BATES, C.P., MITTRA, R.
1   A FACTORIZATION PROCEDURE FOR WIENER-HOPF KERNELS, IEEE
    TRANS. ANTENNAS AND PROPAGATION AP-17(1969), 102-103,
    MR:40-6205   <70.0>
BAUMANN, V.
1   EINE NICHTLINEARE INTEGRODIFFERENTIALGLEICHUNG DER
    WARMEUBERTRAGUNG BEI WARMELEITUNG UND STRAHLUNG, MATH.
    Z. 64(1956), 353-384, MR:20-1900   <11.0, 120.0>
BAXTER, G.
1   AN ANALYTIC PROBLEM WHOSE SOLUTION FOLLOWS FROM A SIMPLE
    ALGEBRAIC IDENTITY, PAC. J. MATH. 10 (1960) 731-742,
    MR:22-9990   <72.1>

BAZER, J., RUBENFELD, L.
1 DIFFRACTION OF ELECTROMAGNETIC WAVES BY A CIRCULAR
APERTURE IN AN INFINITELY CONDUCTING PLANE SCREEN, J.
SOC. INDUSTR. APPL. MATH. 13(1965), 558-585, AMR:19-5597
<74.2, 97.0>
BAZLEY, N.W., ZWAHLEN, B.P.
1 ESTIMATION OF THE BIFURCATION COEFFICIENT FOR NONLINEAR
EIGENVALUE PROBLEMS, ZAMP 20(1969), 281-288 <27.0>
BECKERT, H.
1 EXISTENZBEWEISE IN DER THEORIE PERMANENTER SCHWEREWELLEN
EINER INKOMPRESSIBLEN FLUSSIGKEIT LANGS EINES KANALS,
ARCH. RAT. MECH. ANAL. 9(1962) 379-394, MR:25-3651
<112.1>
2 EXISTENZBEWEIS ZUR KANAL THEORIE DER GEZEITEN, ARCH.
RAT. MECH. ANAL. 18(1965) , 379-396, MR:30-5605 <112.1>
BECKETT, R.E.   (SEE - STIPPES, M.)
BEESACK, P.R.
1 COMPARISON THEOREMS AND INTEGRAL INEQUALITIES FOR
VOLTERRA INTEGRAL EQUATIONS, PROC. AMER. MATH. SOC.
20(1969), 61-66, MR:38-2546 <10.0>
BELEN'KII, M.IA.
1 SOME AXIALLY SYMMETRIC PROBLEMS OF ELASTICITY THEORY,
P.M.M. 24(1960), 582-584, TRANS. J. APPL. MATH. MECH. 24,
868-873, MR:22-11598 <104.9>
BELINFANTE, J.G., UNAL, B.C.
1 POTENTIAL SCATTERING, J. MATH. PHYS. 4(1963), 372-387,
MR:27-1140 <116.8>
BELLMAN, R.   (SEE ALSO - BIRKHOFF, G.)
1 A NEW APPROACH TO THE NUMERICAL SOLUTION OF A CLASS OF
LINEAR AND NONLINEAR INTEGRAL EQUATIONS OF FREDHOLM TYPE,
PROC. NAT. ACAD. SCI. 54(1965) 1501-1503, MR:32-8527
<59.4>
2 DYNAMIC PROGRAMMING AND ITS APPLICATION TO VARIATIONAL
PROBLEMS IN MATHEMATICAL ECONOMICS, RAND CORP., REPT.
NO. P-796 <124.0>
3 FUNCTIONAL EQUATIONS IN THE THEORY OF DYNAMIC
PROGRAMMING. VII. AN INTEGRODIFFERENTIAL EQUATION FOR
THE FREDHOLM RESOLVENT, RAND CORP. REPT. NO. P-859, MAY
1956, <21.8, 59.4>
4 ON THE VARIATION OF THE FREDHOLM RESOLVENT, BOLL. UN.
MAT. ITAL. 14(1959) 78-81, MR:24-A403 <21.8, 59.4>
5 A NOTE ON A CLASS OF INTEGRAL EQUATIONS RELATED TO THE
BESSEL AND MATHIEU FUNCTION, REPT. NO. P-233 AUG. 1951,
<87.0>
6 DYNAMIC PROGRAMMING AND A NEW FORMALISM IN THE THEORY OF
INTEGRAL EQUATIONS, PROC. NAT. ACAD. SCI. 41(1955),
31-34, MR:17-272 <59.4>
7 A NOTE ON THE SUMMABILITY OF FORMAL SOLUTIONS OF LINEAR
INTEGRAL EQUATIONS, DUKE MATH. J. 17 (1950) 53-55,
MR:11-365

8   FUNCTIONAL EQUATIONS IN THE THEORY OF DYNAMIC
    PROGRAMMING. VII. A PARTIAL DIFFERENTIAL EQUATION FOR
    THE FREDHOLM RESOLVENT.PROC. AMER. MATH. SOC. 8(1957),
    435-440, RAND. CORP. REPT. NO. P-859, MAY 1956,, PROC.
    AMER. MATH. SOC. 8(1957), 435-440,, MR:19-558 <21.8,
    59.4>
9   A SURVEY OF THE MATHEMATICAL THEORY OF TIME-LAG,
    RETARDED CONTROL, AND HEREDITARY PROCESSES, RAND CORP.
    SANTA MONICA CALIF.., R-256 (1954), MR:15-962 <12.0,
    121.0>
BELLMAN, R., GLICKSBERG, I., GROSS, O.
1   ON SOME NONLINEAR INTEGRAL EQUATIONS OCCURING IN THE
    THEORY OF DYNAMIC PROGRAMMING, PROC. NAT. ACAD. SCI.
    U.S.A. 41(1955) 227-229, MR:17-272 <28.0, 59.4>
BELLMAN, R., GROSS, O., GLICKSBERG, I.
1   ON SOME NONLINEAR INTEGRAL EQUATIONS OCCURRING IN THE
    THEORY OF DYNAMIC PROGRAMMING, PROC. NAT. ACAD. SCI.
    U.S.A. 41(1955), 227-229, MR:17-272 <124.0>
BELLMAN, R., HARRIS, T.E.
1   ON AGE-DEPENDENT BINARY BRANCHING PROCESSES, ANN. MATH.
    55 (1952) 280-295, MR:13-664 <12.5, 122.0>
BELLMAN, R., KAGIWADA, H.H., KALABA, R.E.
1   NUMERICAL RESULT FOR THE AUXILIARY EQUATION OF RADIATIVE
    TRANSFER, REPT. NO. RM-4572-PR, APRIL (1965), RAND CORP.
    <119.7>
2   INVARIANT IMBEDDING AND NONVARIATIONAL PRINCIPLES IN
    ANALYTICAL DYNAMICS, REPT. NO. RM-4591-PR, JULY(1965),
    RAND CORP. <115.0, 119.7>
3   A NEW DERIVATION OF THE INTEGRO-DIFFERENTIAL EQUATIONS
    FOR CHANDRASEKHAR'S X AND Y FUNCTIONS, REPT. NO.
    RM-4349-ARPA (DEC., 1964) RAND CORP. <119.5>
4   ON A NEW APPROACH TO THE NUMERICAL SOLUTION OF A CLASS
    OF PARTIAL DIFFERENTIAL EQUATIONS OF TRANSPORT THEORY,
    PROC. NAT. ACAD. SCI. U.S.A. 56 (1965) 1293-1296 <119.0>
BELLMAN, R., KAGIWADA, H.H., KALABA, R.E., VENO, S.
1   INVARIANT IMBEDDING AND THE COMPUTATION OF INTERNAL
    FIELDS FOR TRANSPORT PROCESSES, J. MATH. ANAL. APPL.
    12(1965) 541-548, MR:32-8959 <119.7>
BELLMAN, R., KALABA, R.E.
1   ON A NEW APPROACH TO THE NUMERICAL SOLUTION OF A CLASS
    OF PARTIAL DIFFERENTIAL INTEGRAL EQUATIONS OF TRANSPORT
    THEORY, PROC. NAT. ACAD. SCI. U. S. A. 54(1965)
    1293-1296, MR:32-6705 <119.7>
2   ON THE PRINCIPLE OF INVARIANT IMBEDDING AND PROPAGATION
    THROUGH INHOMOGENEOUS MEDIA, PROC. NAT. ACAD. SCI.
    U.S.A. 42(1956), 629-632, MR:19-705 <124.0>
3   NEW METHODS FOR THE SOLUTION OF PARTIAL DIFFERENTIAL
    EQUATIONS. IN 'NONLINEAR PARTIAL DIFFERENTIAL EQUATIONS.
    ' 43-54, ACADEMIC PRESS, NEW YORK, 1967, MR:36-1115

BELLMAN, R., KALABA, R.E., KOTKIN, B.
1 DIFFERENTIAL APPROXIMATION APPLIED TO THE SOLUTION OF
CONVOLUTION EQUATIONS, MATH OF COMP. 18(1964), 487-491,
MR:29-2977 <12.0, 121.0>
BELLMAN, R., KALABA, R.E., LOCKETT, J.
1 DYNAMIC PROGRAMMING AND ILL-CONDITIONED LINEAR SYSTEM,
RAND. MEMORANDUM RM-3815-PR (DEC. 1963), MR:30-1608
<56.0>
BELLMAN, R., KALABA, R.E., PRESTRUD, M.C.
1 INVARIANT IMBEDDING AND RADIATIVE TRANSFER IN SLABS OF
FINITE THICKNESS, ELSEVIER(1963) <119.7>
BELLMAN, R., KALABA, R.E., WING, G.M.
1 INVARIANT IMBEDDING AND MATHEMATICAL PHYSICS I. PARTICLE
PROCESSES, REPT. NO. P-1858 (MARCH, 1960) RAND CORP.
<119.7>
2 ON THE PRINCIPLE OF INVARIANT BEDDING AND NEUTRON
TRANSPORT THEORY, II. FUNCTIONAL EQUATIONS, J. MATH.
MECH. 7(1958), 741-756 <119.3>
BELLMAN, R., LATTER, R.
1 ON THE INTEGRAL EQUATION LAMDAF(X) = INT(0,A)K(X-Y) F(Y)
DY, PROC. AMER. MATH. SOC. 3(1952), 834-891, MR:14-764
<77.0, 82.0>
BELOKON', A.V.   (SEE - ALEKSANDROV, V.M.)
BELONOSOV, S.M.
1 THE APPLICATION OF INTEGRAL EQUATIONS TO THE PROBLEM OF
TORSION OF SHAFTS OF VARIABLE DIAMETER, P.M.M. 24(1960),
1042-1046, TRANSL. J. APPL. MATH. MECH., 1583-1589
<74.2, 94.7>
2 A NEW FORM OF THE INTEGRAL EQUATION OF THE PLANE STATIC
PROBLEM OF THE THEORY OF ELASTICITY, TRUDY VORONEZ. GOS.
UNIV. FIZ.-MAT. SB. 27(1954) 30-42, MR:19-696 <41.0,
104.5>
3 A METHOD OF SOLUTION OF PLANE STATIC PROBLEMS OF THE
THEORY OF ELASTICITY FOR DOUBLY CONNECTED DOMAINS,
SIKIRSK. MAT. Z. 2(1961) 341-365, MR:24-835 <41.0,
104.5>
BELONOSOV, S.M., ISMAILOV, M.A.
1 FIRST BOUNDARY VALUE PROBLEM FOR THE DIFFERENTIAL
EQUATION OF ELASTIC EQUILIBRIUM OF A SHALLOW CYLINDRICAL
SHELL, DIFFERENTS. URAVNENIYA 1(1965) 219-226,
AMR:19-2143 <104.2>
BELOTSERKOVSKII, S.M.
1 UNSTEADY CHARACTERISTICS OF ANNULAR WINGS, IZV. AKAD.
NAUK SSSR, MEKH. 6(1965), 27-33, AMR: 20-1179 <108.0>
BELOTSERKOVSKII, S.M., SUKHORUKIKH, V.S., TATAREMCHIK, V.S.
1 DETERMINATION OF THE DENSITY FIELD OF THREE-DIMENSIONAL
GASDYNAMIC FLOWS ON THE BASIS OF OPTICAL METHOD, ZH.
PRIKL. MEKH. TEKH. FIZ. 3(1964), 95-99, AMR:19-415
BEL'TYUKOV, B.A.
1 CONSTRUCTION OF RAPIDLY CONVERGING ITERATIVE ALGORITHMS
FOR THE SOLUTION OF INTEGRAL EQUATIONS, SIBIRSK. MAT. Z.
6(1965), 1415-1419, MR:33-4525

2 ON THE CONNECTION OF THE METHOD OF COINCIDENCE WITH THE
     METHOD OF REPLACING A KERNEL BY A DEGENERATE ONE, Z.
     VYCISL. MAT. I MAT. FIZ. 5(1965), 340-342, TRANSL. USSR
     COMP. MATH. AND MATH. PHYS., 238-241, MR:33-5152 <43.0>
3 AN ANALOGUE OF THE RUNGE-KUTTA METHOD FOR THE SOLUTION
     OF NONLINEAR INTEGRAL EQUATIONS OF VOLTERRA TYPE, DIFF.
     URAV. 1(1965), 545-556, TRANSL. DIFFERENTIAL EQUATIONS,
     417-426, MR:33-3479 <13.0>
4 A METHOD OF APPROXIMATE SOLUTION OF VOLTERRA INTEGRAL
     EQUATIONS, SIBIRSK. MAT. Z. (1961), 789-791, MR:25-4650
     <13.0>
5 ON THE DIFFERENCE BETWEEN THE METHOD OF SERIES EXPANSION
     WITH RESPECT TO A PARAMETER AND THAT OF SUCCESSIVE
     APPROXIMATIONS FOR THE SOLUTION OF NONLINEAR INTEGRAL
     EQUATIONS, DIFFERENCIAL'NYE URAVNENIJA 1(1965) 773-785,
     TRANSL. DIFF. EQNS., 593-603, MR:34-4850 <49.0>
6 SOLUTION OF NONLINEAR INTEGRAL EQUATIONS BY NEWTON'S
     METHOD, DIFFERENTSIAL'NYE URAVNENIYA, 2(1966), 1072-1083,
     TRANSL. DIFF. EQNS., 555-560, MR:34-3267 <49.8>
7 CONSTRUCTION OF A DEGENERATE APPROXIMATING KERNEL BY THE
     METHOD OF PARTIAL AVERAGING, IZV. VYSS. UCEBN. ZAVED.
     MATEMATIKA 2(1966), 20-25, MR:34-3253 <43.0>
BELYAKOVA, V.K.
1 UNSTEADY FLOW OF GROUND WATER TO A HORIZONTAL DRAIN,
     PRIKL. MAT. MECH. 19(1955), 234-239, MR:17-1151 <124.0>
BELZ, M.H.   (SEE - JAMES, R.W.)
BENES, V.E.   (SEE ALSO - SANDBERG, I.W.)
1 A FIXED POINT METHOD FOR STUDYING THE STABILITY OF A
     CLASS OF INTEGRO-DIFFERENTIAL EQUATIONS, J. MATH. PHYS.
     40(1961), 55-67, MR:23-A3437 <12.5, 28.0,   37.5, 124.0>
2 A NON-LINEAR INTEGRAL EQUATION FROM THE THEORY OF
     SERVOMECHANISMS, BELL SYSTEM TECH. J. 40(1961),
     1309-1321, MR:24-A1586 <12.5, 28.0,   37.5, 124.0>
3 ULTIMATELY PERIODIC BEHAVIOUR IN A CLASS OF NON-LINEAR
     SERVOMECHANISMS, NONLINEAR DIFFERENTIAL EQUATIONS AND
     NONLINEAR MECHANICS, NEW YORK, ACADEMIC PRESS, 1963,
     384-392, MR:26-5387 <12.5, 28.0,   37.5, 124.0>
4 ULTIMATELY PERIODIC SOLUTIONS TO A NONLINEAR
     INTEGRO-DIFFERENTIAL EQUATION, BELL SYST. TECH. J.
     41(1962), 257-268, MR:24-A1588 <12.5, 28.0,   37.5,
     124.0>
5 ON QUEUES WITH POISSON ARRIVALS, ANN. MATH. STAT. 28
     (1957) 670-677, MR:19-990 <122.0>
BENES, V.E., SANDBERG, I.W.
1 APPLICATIONS OF A THEOREM OF DUBROVSKII TO THE PERIODIC
     RESPONSES OF NONLINEAR SYSTEMS, BELL SYSTEM TECH. J.
     43(1964), 2855-2872, MR:32-8096 <12.5, 28.0,   37.5,
     124.0>
BENNETT, J.H.
1 INTEGRAL EQUATION METHODS FOR TRANSPORT PROBLEMS, NUM.
     MATH. 6(1964), 49-54, MR:29-3211 <53.6>
BENTHEM, C.   (SEE - SPARENBERG, J.A.)

BENTHEM, J.P.
   1   A LAPLACE TRANSFORM METHOD FOR THE SOLUTION OF
          SEMI-INFINITE AND FINITE STRIP PROBLEMS IN STRESS
          ANALYSIS, QUART. J. MECH. AND APPL. MATH. 16(1963),
          413-429, MR:28-5609 <104.6>
BENVENISTE, J.E.
   1   PROJECTIVE SOLUTION OF THE DIRICHLET PROBLEM FOR
          BOUNDARIES WITH ANGULAR POINTS, SIAM J. APPL. MATH.
          15(1967), 558-568, MR:37-454 <44.0, 53.1, 90.7>
BEREZOVSKII, A.A.
   1   NON-LINEAR INTEGRAL EQUATIONS OF SHALLOW SHELLS OF
          REVOLUTION, INZ. - FIZ. A. 4(1961), 44-53, MR:24-B2186
          <104.2>
   2   INTEGRO-DIFFERENTIAL EQUATIONS OF THE THEORY OF THIN
          SHALLOW SHELLS, UKRAIN. MAT. Z. 11(1959), 146-154,
          MR:22-2126 <104.2>
   3   INTEGRO-DIFFERENTIAL EQUATIONS OF THE NONLINEAR THEORY
          OF SHALLOW THIN SHELLS, UKRAIN. MAT. Z. 12(1960),
          373-380, MR:24-B1344 <104.2>
BEREZOVSKII, A.A., SESTOPAL, A.F.
   1   INTEGRO-DIFFERENTIAL EQUATIONS OF LOCAL STABILITY OF
          SHALLOW SHELLS, UKRAIN. MAT. Z. 11(1959), 434-438,
          MR:26-3280 <104.2>
BERG, L.
   1   LOSUNGSVERFAHREN FUR SINGULARE INTEGRALGLEICHUNGEN. II,
          WISS. Z. UNIV. ROSTOCK. MATH. - NAT. REIHE 4(1954/55),
          381-391, MR:22-4927 <25.0>
   2   UBER DIE RESOLVENTE EINER SINGULAREN INTEGRALGLEICHUNG,
          MATH. NACHR. 15(1956), 339-352, MR:19-661 <25.0>
   3   LOSUNGSVERFAHREN FUR SINGULARE INTEGRALGLEICHUNGEN, I.
          MATH. NACHR. 14(1955), 193-212, MR:19-66 <25.0>
BERGER, M.S.
   1   ON VON KARMAN'S EQUATIONS AND THE BUCKLING OF A THIN
          ELASTIC PLATE, COMM. PURE APPL. MATH. 20 (1967) 687-719,
          MR:34-3072 <27.0, 104.2>
BERGMAN, S.
   1   INTEGRAL OPERATORS IN THE THEORY OF LINEAR PARTIAL
          DIFFERENTIAL EQUATIONS, 2ND EDITION SPRINGER 1964,
          MR:39-596 <74.8>
BERGMAN, S., HERRIOT, J.G.
   1   NUMERICAL SOLUTION OF BOUNDARY-VALUE PROBLEMS BY THE
          METHOD OF INTEGRAL OPERATORS, NUM. MATH. 7(1965) P42,
          MR:31-891 <74.8>
BERGMAN, S., SCHIFFER, M.
   1   KERNEL FUNCTIONS AND CONFORMAL MAPPING, COMPOSITIO MATH.
          8(1951), 205-249, MR:12-602 <74.8, 107.0>
BERK, A.D.
   1   VARIATIONAL PRINCIPLES FOR ELECTROMAGNETIC RESONATORS
          AND WAVEGUIDES, IRE TRANS. ANTENNAS AND PROPAGATION
          <48.5, 99.0>

BERKOVIC, F.D.
  1 AN INTEGRAL EQUATION ON THE SEMI-AXIS IN A CLASS OF
       FUNCTIONS WHICH ARE INCREASING AT INFINITY, DOKL. AKAD.
       NAUK S.S.S.R. 160(1965), 255-258, TRANSL. SOVIET MATH.
       DOKL. 6(1965), 48-52, MR:31-6102 <70.0>
  2 AN INTEGRAL EQUATION ON THE SEMI-AXIS, IZV. VYSS. UCEBN.
       ZAVED. MATEMATIKA 50(1966), 3-14, MR:33-7883 <70.0>
BERMAN, J.H.   (SEE - WATKINS, C.E.)
BERNICKER, R.P.
  1 A LINEARIZED TWO-DIMENSIONAL THEORY FOR HIGH-SPEED
       HYDROFOILS NEAR THE FREE SURFACE, J. SHIP RES. 10(1966),
       25-48 <50.0, 109.0>
BERNIER, J.
  1 STOCHASTIC RESERVOIR THEORY(FRENCH), HOUILLE BLANCHE
       5(1965), 434-444, AMR:19-2013
  2 LES PRINCIPALES METHODES DE RESOLUTION NUMERIQUE DES
       EQUATIONS INTEGRALES DE FREDHOLM ET DE VOLTERRA, ANN.
       RADIOELECTR. 1(1945), 311-318, MR:10-332 <05.0, 13.0,
       40.1>
BERRY, A.   (SEE - BAIRSTOW, L.)
BERRY, D.S., HUNTER, S.C.
  1 THE PROPAGATIONS OF DYNAMIC STRESSES IN VISCO-ELASTIC
       RODS, MECH. PHYS. SOLIDS 4(1956), 72-95, MR:17-1254
       <106.0>
BERTRAND, G.
  1 LA THEORIE DES MAREES ET LES EQUATIONS INTEGRALES, ANN.
       ECOLE NORMALE SUP: (3) 40 (1923)
BETTS, D.D., SCHIFF, H., STRICKFADDEN, W.B.
  1 APPROXIMATE SOLUTIONS OF A NONLINEAR FIELD EQUATION, J.
       MATH. PHYS. 4 (1963) 334-338, MR:26-5870 <116.0>
BEYER, K.
  1 EXISTENZBEWEIS FUR EIN RANDWERTPROBLEM MIT FREIEN RAND.,
       ARCH. RAT. MECH. ANAL. 23(1966) P. 15, MR:36-1629 <113.5>
BHARUCHA-REID, A.T.
  1 ON RANDOM SOLUTIONS OF FREDHOLM INTEGRAL EQUATIONS,
       BULL. AMER. MATH. SOC. 66(1960), 104-109, MR:40-4711
       <39.5>
  2 ON RANDOM SOLUTIONS OF INTEGRAL EQUATIONS IN BANACH
       SPACES, TRANSL. SECOND PRAGUE CONF. INFORMATION THEORY,
       ACADEMIC PRESS, NEW YORK, 1961, MR:26-2836 <39.5>
  3 ON RANDOM SOLUTIONS OF NON-LINEAR INTEGRAL EQUATIONS, IN
       'NONLINEAR PROBLEMS OF ENGINEERING,' 23-28, ACADEMIC
       PRESS, NEW YORK, 1964, MR:30-1375 <39.5>
  4 ELEMENTS OF THE THEORY OF MARKOV PROCESSES AND THEIR
       APPLICATIONS, MCGRAW-HILL (1960), MR:22-3032 <122.0>
  5 SUR LES EQUATIONS INTEGRALES ALEATOINES DE FREDHOLM A
       NOYAUX SEPARABLES, CC98 CAD. SCI. PARIS 250(1960),
       657-658, MR:: 2-1933 <124.0, 39.5>
BHATTACHARYA, A.R.
  1 FUNCTION-THEORETIC SOLUTION OF A CLASS OF DUAL INTEGRAL
       EQUATIONS HAVING APPLICATION IN SUPERSONIC FLOW PAST A
       BODY, Z. ANGEW. MATH. MECH. 49(1969), 304-306, M. R.
       40-4711 <67.0, 73.0, 108.9>

BICADZE, A.V.
  1   ON AN ELEMENTARY METHOD OF SOLVING CERTAIN BOUNDARY
       PROBLEMS IN THE THEORY OF HOLOMORPHIC FUNCTIONS AND
       CERTAIN SINGULAR INTEGRAL EQUATIONS CONNECTED WITH THEM,
       USPEHI MAT. NAUK (N.S.) 12 (1957) NO. 5 (77) 185-190,
       MR:20-962 <73.0>
BIERMAN, B.J.
  1   A PARTICULAR CLASS OF SINGULAR INTEGRAL EQUATIONS, SIAM
       J. APPL. MATH. 20(1971), 99-109 <71.0, 77.0>
BILLINGTON, A.E.
  1   AN ALGEBRAIC SYSTEM OF EQUATIONS WITH ELEMENTS (N-M)**-1,
       M AND N POSITIVE UNEQUAL INTEGERS, PROC. CAMB. PHILOS.
       SOC. 68(1970), 415-425, MR:41-7395 <35.7>
BILMAN, B.M.   (SEE - MIHAILOV, L.G.)
BINGHAM, C., GODFREY, M.D., TUKEY, J.W.
  1   MODERN TECHNIQUES OF POWER SPECTRUM ESTIMATION, IEEE
       TRANS. AU-15(1967), 56-66 <63.1>
BIRGER, I.A.
  1   ON A METHOD OF SOLUTION OF INTEGRAL EQUATIONS WITH LARGE
       VALUES OF THE PARAMETER, P. M. M. 22(1958), 808-809,
       TRANSL. J. APPL. MATH. MECH. 1149-1152, MR:21-6708
       <81.0>
BIRKHOFF, G.
  1   EXTENSIONS OF JENTZSCH'S THEOREM, TRANS. AMER. MATH.
       SOC. 85(1957), 219-227, MR:19-296 <24.0>
BIRKHOFF, G., BELLMAN, R.
  1   TRANSPORT THEORY, SIAM-AMS PROCEEDING VOL. 1. <119.0>
BIRKHOFF, G., GOLDSTINE, H.H., ZARANTONELLO, E.H.
  1   CALCULATION OF PLANE CAVITY FLOWS PAST CURVED OBSTACLES,
       RENDICONTI DEL SEMINARIO MATEMATICO UNIV. DI TORINO,
       13(1953/54), MR:17-309 <113.5>
BIRKHOFF, G., KOTIN, L.
  1   INTEGRO-DIFFERENTIAL DELAY EQUATIONS OF POSITIVE TYPE,
       J. DIFF. EQNS. 2(1966), 320-327,, MR:33-6328 <17.0>
BIRKHOFF, G., YOUNG, D.M., ZARANTONELLO, E.H.
  1   NUMERICAL METHODS IN CONFORMAL MAPPING, PROC. SYMP.
       APPL. MATH. IV, MC GRAW-HILL (1953), 117-140 (A
       PRELIMINARY VERSION APPEARED IN - PROC. NAT. ACAD. SCI.
       U. S. A. 37(1951), 411-414, MR:15-258 <107.0>
BIRKHOFF, G., ZARANTONELLO, E.H.
  1   JETS, WAKES, AND CAVITIES, ACADEMIC PRESS (1957),
       MR:19-486 <113.5>
BIRKHOFF, G.D., KELLOG, O.D.
  1   INVARIANT POINTS IN FUNCTION SPACES, TRANS. AMER. MATH.
       SOC. 23(1922), 96-115 <37.5>
BIRNBAUM, W.
  1   DAS EBENE PROBLEM DES SCHLAGENDEN FLUGELS, ZEITS. ANGEW.
       MATH. MECH. 4 (1924) 277-282 <50.0>
BIRNBAUM, W., ACKERMANN, W.
  1   DIE TRAGENDE WIRBELFLACHE ALS HILFSMITTEL ZUR BEHANDLUNG
       DES EBENEN PROBLEMS DER TRAGFLUGELTHEORIE, ZEITS. ANGEW.
       MATH. MECH. 3 (1923) 290-297 <50.0>

BISPLINGHOFF, R.L., ASHLEY, H., HALFMAN, R.L.
    1   AEROELASTICITY, ADDISON-WESLEY (1955) <108.0, 115.0>
BISSHOPP, K.E.   (SEE - LEE, H.C.)
BISWAS, S.N.
    1   FREDHOLM THEORY OF HEITLER'S INTEGRAL EQUATION, ACTA.
        PHYS. ACAD. SCI. HUNGAR. 4(1954), 49-56, MR:16-262
        < 17.0>
    2   SOLUTION OF HEITLER'S INTEGRAL EQUATIONS BY ITERATION
        METHOD, PHYSICAL REV. 94(1954), 1767-1772, MR:16-79
        <49.0, 116.0>
    3   FREDHOLM THEORY AND HAUKEL TRANSFORMATION OF THE
        SCHRODINGER EQUATION, INDIAN J. PHYS. 29(1955), 309-318,
        MR:17-437 <116.0>
BLACKBURN, J.F.   (SEE - MANN, W.R.)
BLAND, D.R.
    1   THE THEORY OF LINEAR VISCOELASTICITY, PERGAMON (1960),
        MR:22-1194 <106.0>
BLANKENBECLER, R.   (SEE - SUGAR, R.)
BLANKENBECLER, R., GOLDBERGER, M.L., KHURI, N.N., TREIMAN, S.B.
    1   MANDELSTAM REPRESENTATION FOR POTENTIAL SCATTERING, ANN.
        PHYS. (N. Y.) 10(1960), 62-93, MR:22-9126 <116.8>
BLATT, J.M.
    1   THEORY OF SUPERCONDUCTIVITY, ACADEMIC (1964), MR:29-996
        <117.1>
BLOCK, H.D.
    1   CONSTRUCTION OF SOLUTIONS AND PROPAGATION OF ERRORS IN
        NONLINEAR PROBLEMS, PROC. AMER. MATH. SOC. 4(1953),
        715-722, MR:15-135 <46.0>
    2   EXPLICIT SOLUTION OF CERTAIN SINGULAR INTEGRAL EQUATIONS,
        IOWA STATE COLL. J. SCI. 24(1949), 14-16, MR:11-524
        <79.0>
BLOCK, H.D., ROSENBLOOM, P.C.
    1   PERTURBATION OF NON-LINEAR EIGENVALUE PROBLEMS, ARCH.
        MATH. 7(1956), 172-183, MR:18-235 <27.0>
BLUMER, H.
    1   BEZIEHUNGEN ZWISCHEN SPEZIELLEN LINEAREN
        INTEGRALGLEICHUNGEN ERSTER UND ZWEITER ART UND LOSUNG
        DES DIRICHLETSCHEN PROBLEMS DURCH DAS POTENTIAL EINER
        EINFACHEN SCHICHT, COMMENT. MATH. HELV. 28(1954),
        197-224, MR:16-819 <90.0>
BOCHER, M.
    1   AN INTRODUCTION TO THE STUDY OF INTEGRAL EQUATIONS,
        CAMBRIDGE UNIVERSITY PRESS 1(1912) <01.0>
BOERSMA, J.
    1   BOUNDARY VALUE PROBLEMS IN DIFFRACTION THEORY AND
        LIFTING SURFACE THEORY, THESIS, COMPOSITIO MATH.
        16(1964) 205-293, MR:30-4459 <96.2, 97.0, 108.0>
    2   ELECTROMAGNETIC DIFFRACTION BY A UNIDIRECTIONALLY
        CONDUCTING CIRCULAR DISK, SIAM J. APPL. MATH. 14 (1966),
        1471-1495, MR:34-7122 <97.0>
BOGOLIUBOV, N.N.   (SEE - KRYLOV, N.M.)

BOGOLIUBOV, N.N., TOLMACHEV, V.V., SCHIRKOV, D.V.
    1   A NEW METHOD IN THE THEORY OF SUPERCONDUCTIVITY,
        CONSULTANTS BUR. NEW YORK (1959), MR:25-5748 <117.1>
BOGORYAD, I.B.
    1   ON THE SOLUTION BY A VARIATIONAL METHOD OF A PROBLEM ON
        OSCILLATIONS OF A PARTLY-FILLING CAVITY, P.M.M. 26(1962),
        1122-1127 <113.0>
BOGORYAD, I.B., MEDVEDEV, V.A., TAVKHELIOZE, A.N.
    1   THE APPLICATION OF THE METHODS OF N. I. MUSKHELISHVILI
        TO THE SOLUTION OF SINGULAR INTEGRAL EQUATIONS IN
        QUANTUM FIELD THEORY. PROBLEMS OF CONTINUUM MECHANICS,
        SIAM (1961) 39-55, MR:22-13123 <73.0, 116.0>
BOLAND, W.R.
    1   CONVEXITY THEOREMS FOR THE EIGENVALUES OF CERTAIN
        FREDHOLM OPERATORS, J. MATH. APPLIC. 25(1969), 162-181,
        MR:38-3702 <24.0>
    2   CONVEXITY CONDITIONS FOR THE KERNELS AND EIGENVALUES OF
        A CLASS OF FREDHOLM INTEGRAL EQUATIONS, J. MATH. ANAL.
        APPL. 28(1969), 609-618, MR:40-3214 <24.0>
BOLEY, B.A.
    1   A METHOD OF HEAT CONDUCTION ANALYSIS OF MELTING AND
        SOLIDIFICATION PROBLEMS, J. MATH. PHYS. 40(1961),
        300-313, MR:25-4782 <120.5>
BOLOTOVSKII, B.M., VOSKRESENSKII, G.V.
    1   RADIATION OF A POINT CHARGED PARTICLE MOVING ALONG THE
        AXIS OF A SEMIINFINITE CIRCULAR WAVEGUIDE, Z. TEHN. FIZ.
        34(1964), 711-717 (RUSSIAN), SOVIET PHYSICS TECH. PHYS.
        9(1964), 546-550, MR:32-5026 <71.0, 101.0>
    2   RADIATION FROM A LINE SOURCE PASSING NEAR A DIFFRACTION
        GRATING FORMED BY A SET OF PERFECTLY CONDUCTING
        HALF-PLANES, Z. TEHN. FIZ. 34(1964),1856-1862, SOV.PHYS.
        TECH. PHYS. 9(1965),1432-1436, MR:32-5027 <71.0, 96.0>
BONDARENKO, P.S.
    1   CONVERGENCE OF AN ALGORITHM OF SUCCESSIVE APPROXIMATIONS
        AND ERROR ESTIMATES IN NUMERICAL SOLUTION OF INFINITE
        SYSTEMS OF LINEAR ALGEBRAIC EQUATIONS, KIIV. DERZ. UNIV.
        NAUK ZAP 16(1957), 81-89, MR:20-6187 <35.0>
BORJA, M.
    1   ZUR NUMERISCHEN BEHANDLUNG DER TRAGFLACHENGLEICHUNG,
        TECHNISCHE HOCHSCHULE KARLSRUHE (1964) <108.0>
BORN, M.
    1   QUANTENMECHANIC DER STOSSVORGANGE, ZEITS F. PHYS.
        38(1926), 803-827 <116.1>
BORN, M., GREEN, H.S.
    1   A GENERAL KINETIC THEORY OF LIQUIDS, CAMBRIDGE UNIV.
        PRESS (1949), MR:12-230 <117.0>
BORSCH-SUPAN, W.
    1   EIGENFUNKTIONEN EINER ZUSAMMENGESETZTEN EIGENWERTAUFGABE
        ALS REIHEN NACH DEN EIGENFUNKTIONEN SAMTLICHER
        TEILAUFGABEN, DER STAHLBAU 24(1955), 62-63, MR:17-976
        <24.0>

BOSANQUET, L.S.
    1   ON LIOUVILLE'S EXTENSION OF ABEL'S INTEGRAL EQUATION,
        MATHEMATIKA 16(1969), 59-85, MR:40-668 <64.5>
BOSE, S.K.
    1   THE SCATTERING OF RAYLEIGH WAVES BY A HIGH-IMPEDANCE
        SMALL OBSTACLE ON THE SURFACE, J. OF SCIENCE AND
        ENGINEERING RESEARCH INDIA 12(1968) 185-194, AMR:22-8564
        <105.6>
    2   THE OSCILLATORY INDENTATION PROBLEM BY A RIGID CIRCULAR
        DISK, BULL. CALC. MATH. SOC. 60(1968), 87-96 <67.5,
        105.6>
BOTHE, W.
    1   DIE DIFFUSION VON EINER PUNKTQUELLE AUS. (NACHTRAG ZU
        BER ARBEIT. 'EINIGE DIFFUSIONSPROBLEME.'), Z. PHYS.
        119(1942), 493-497, MR:5-123 <124.0>
    2   EINIGE DIFFUSIONSPROBLEME, Z. PHYS. 118(1941), 401-408,
        MR:5-122 <124.0>
BOUVIER, P.B.
    1   RESOLUTION D'EQUATIONS INTEGRALES D'UN TYPE PARTICULIER
        (ENGLISH SUMMARY), Z. ANGEW. MATH. PHYS. 13(1962),
        545-553, MR:26-1716
BOUWKAMP, C.J.
    1   NOTE ON DIFFRACTION BY A CIRCULAR APERTURE, ACTA PHYS.
        POLON. 27(1965), 37-39, MR:31-4339 <97.0>
    2   ON THE FREELY VIBRATING CIRCULAR DISK AND THE
        DIFFRACTION BY CIRCULAR DISKS AND APERTURES, PHYSICA 16,
        (1950), 1-16, MR:11-755 <97.0>
    3   NUMERICAL SOLUTION OF A NON-LINEAR EIGENVALUE PROBLEM,
        NEDERL. AKAD. WET. A 68 (1965) 539-547, MR:33-1978
        <54.0>
    4   DIFFRACTION THEORY, IN 'REPORTS ON PROGRESS IN PHYSICS',
        PHYSICAL SOCIETY, LONDON 17(1954), 35-100 <101.0>
BOWDEN, R.L., MCCROSSON, F.J., RHODES, E.A.
    1   SOLUTION OF THE TRANSPORT EQUATION WITH ANISOTROPIC
        SCATTERING IN SLAB GEOMETRY, J. MATH. PHYS. 9(1968),
        753-759 <119.8>
BOWMAN, J.J., SENIOR, T.B.A., USLENGHI, P.L.E.
    1   ELEC ROMAGNETIC AND ACOUSTIC SCATTERING BY SIMPLE SHAPES,
        NORTH-HOLLAND ,1969) <95.0, 101.0>
BOYCE, W.E.   (SEE ALSO - GOODWIN, B.E.)
    1   A 'DISHONEST' APPROACH TO CERTAIN STOCHASTIC EIGENVALUE
        PROBLEMS, SIAM J. APPL. MATH. 15(1967), 143-152,
        MR:35-3181 <24.9, 39.5>
BRAAKMAN, T.C.   (SEE - SPARENBERG, J.A.)
BRAIER, A.   (SEE - MANGERON, D.)
BRAKHAGE, H.
    1   ZUR THEORIE DER TRAGFLACHENGLEICHUNG BEI INCOMPRESSIBLER
        STROMUNG UND VERWANDTER MEHRDIMENSIONALER SINGULARER
        INTEGRALGLEICHUNGEN, Z. ANGEW. MATH. MECH. 43, 11(1963),
        9- <108.0>
    2   ZUR FEHLERABSCHATZUNG FUR DIE NUMERISCHE
        EIGENWERTBESTIMMUNG BEI INTEGRALGLEICHUNGEN, NUM. MATH.
        3(1961), 174-179, MR:23-82185 <54.0>

3   UBER DIE NUMERISCHE BEHANDLUNG VON INTEGRALGLEICHUNGEN
        NACH DER QUADRATURFORMELMETHODE, NUM. MATH. 2(1960),
        183-196, MR:23-B2184   <42.0>
4   BEMERKUNGEN ZUR NUMERISCHEN BEHANDLUNG UND
        FEHLERABSCHATZUNG BEI SINGULAREN INTEGRALGLEICHUNGEN, Z.
        ANGEW. MATH. MECH. 41(1961), T12-T14   <50.0>

BRAKHAGE, H., WERNER, P.
    1   UBER DAS DIRICHLETSCHE AUSSENRAUMPROBLEM FUR DIE
        HELMHOLTZSCHE SCHWINGUNGSGLEICHUNG, ARCH. MATH. 16(1965),
        325-329, MR:32-7930   <95.0>

BRANDER, O.
    1   AN ASYMPTOTIC EXPANSION FOR THE GREEN'S FUNCTION OF
        NONRELATIVISTIC POTENTIAL SCATTERING THEORY AND THE
        ASYMPTOTIC CHARACTER OF THE BORN SERIES FOR THE JOST
        FUNCTION FOR LARGE COMPLEX ANGULAR MOMENTA, NUOVO
        CIMENTO A(10) 42(1966),39-66, ERRATUM-NUOVO CIMENTO
        A(10) 46(1966),812-813, MR:34-8749 <116.1>

BRAUER, F.
    1   A CLASS OF NONLINEAR EIGENVALUE PROBLEMS, IN 'PROC. U.
        S. - JAPAN SEMINAR ON DIFFERENTIAL AND FUNCTIONAL
        EQUATIONS,' ED. W. A. HARRIS AND Y. SIBUYA, BENJAMIN
        (1967)   <27.0>

BREEN, F.H.   (SEE ALSO - CHANDRASEKHAR, S.)
    1   THE PROPAGATION OF A BRITTLE CRACK, ARK. FYS. 18(1960),
        159-192,, MR:22-6210   <73.0, 105.8>

BREMMER, H.
    1   THE DERIVATION OF PARAXIAL CONSTANTS OF ELECTRON LENSES
        FROM AN INTEGRAL EQUATION, APPL. SCI. RESEARCH B.2(1952),
        416-428, MR:14-337 <124.0>

BRENNAN, M.J., STEVENSON, S.C.
    1   SIMPLIFIED TWO-DIMENSIONAL AEROFOIL THEORY, AIRCRAFT
        ENGINEERING 18(1946) 182-186,, MR:8-110 <108.0>

BRESLIN, J.P.
    1   THE WAVE AND INDUCED DRAG OF A HYDROFOIL OF FINITE SPAN
        IN WATER OF LIMITED DEPTH, J. SHIP. RES. 5(1961), 15-21,
        AMR:15-4394 <109.0>
    2   APPLICATION OF SHIP WAVE THEORY TO HYDROFOIL OF FINITE
        SPAN, J. SHIP. RES. 1(1957) 27-35,, AMR:11-2244 <109.0>

BREUER, S.   (SEE - ONAT, E.T.)
BRIDGMAN, C.J.
    1   RECIPES FOR THE SOLUTION OF VOLTERRA INTEGRAL EQUATIONS
        OF THE SECOND KIND, SCHOOL OF ENGINEERING, AIR FORCE
        INST. TECH., WRIGHT-PATTERSON AFB, OHIO 45433, DEC.
        (1962)   <13.0>

BRODETSKY, S.
    1   DISCONTINOUS FLOW PAST CIRCULAR AND ELLIPTIC CYLINDERS,
        PROC. ROY. SOC. A102(1923), 542-553 <113.5>

BRODSKY, S.L.
    1   ASYMPTOTIC DISTRIBUTION AND SOME INTEGRAL EQUATIONS,
        REPT. NO. NOLTR-69-168, NAVAL ORDINANCE LAB., WHITE OAK,
        MARYLAND (1969) <77.0, 81.0>

BRODWIN, M.E.   (SEE - GABRIEL, G.J.)

BRONIKOWSKI, T.A.
1 AN INTEGRODIFFERENTIAL SYSTEM WHICH OCCURS IN REACTOR
     DYNAMICS, ARCH. RAT.MECH. ANAL. 37(1970), 363-380 <11.0,
     124.0>
BROUDISCOU, C.   (SEE - POUZET, P.)
BROWDER, F.E.
1 THE SOLVABILITY OF NON-LINEAR FUNCTIONAL EQUATIONS, DUKE
     MATH. J. 30(1963), 557-566, MR:27-6133 <34.0>
BROWDER, F.E., GUPTA, C.P.
1 MONOTONE OPERATORS AND NONLINEAR INTEGRAL EQUATION OF
     HAMMERSTEIN TYPE, BULL. AMER. MATH. SOC. 75(1969),
     1347-1353, MR:40-3381 <26.0>
BROWN, A.W.
1 A NOTE ON THE USE OF A PEARSON TYPE III FUNCTION IN
     RENEWAL THEORY, ANN. MATH. STATISTICS 11(1940), 448-453,
     MR:2-238 <121.0>
BROWN, R. W.
1 UPPER AND LOWER BOUNDS FOR SOLUTION OF INTEGRAL
     EQUATIONS, IN ERROR IN DIGITAL COMPUTATION, VOL. 2, ED.
     L. B. RALL, WILEY (1965), 219-230, MR:32-8528 <45.8>
BROWN, S.N., STEWARTSON, K.
1 LAMINAR SEPARATION, ANN. REV. FLUID MECH. 1(1969), 42-72
     <113.0>
2 FLOW NEAR THE APEX OF A PLANE DELTA WING, J. INST. MATH.
     APPLICS. 5(1969), 206-216 <91.0, 108.0>
BROWN, W.B.   (SEE - HIRSCHFELDER, J.O.)
BROWNE, P.J.
1 INTEGRAL EQUATION PROPOSED BY ABEL, PROC. R. IRISH AC.
     A32 (1915), 59-85
BRUHN, G., WENDLAND, W.
1 UBER DIE NAHERUNGSWEISE LOSUNG VON LINEAREN
     FUNKTIONALGLEICHUNGEN, IN 'FUNKTIONALANALYSIS
     APPPOXIMATIONSTHEORIE, NUMERISCHE MATHEMATIK'
     OBERWOLFACH (1965), 136-164, BIRKHAUSER, BASEL, 1967,
     MR:37-797 <46.0>
BRUNDRIT, G.B.
1 A SOLUTION TO THE PROBLEM OF SCALAR SCATTERING FROM A
     SMOOTH, BOUNDED OBSTACLE USING INTEGRAL EQUATIONS, Q. J.
     M. A. M. 18(1965), 473-489, AMR:19-5982 <53.2, 95.0>
BRUWIER, L.
1 SUR LES EQUATIONS INTEGRODIFFERENTIELLES NORMALES DONT
     LES TERMES INTEGRAUX CONTIENNENT LE DERIVEE DE LA
     FONCTION INCONNUE, BULL. SOC. ROY. SCI. LEIGE, 4 (1935),
     119-124, 162-166,217-219 <17.0>
BRUWIER, L., FRANCKX, E.
1 SUR L'APPLICATION D'UNE METHODE D'APPROXIMATIONS
     SUCCESSIVES A LA RESOLUTION D'UN SYSTEME D'EQUATIONS
     INTEGRALES, BULL. SOC. ROY. SCI. LIEGE 18(1949) 486-497,
     MR:12-30 <11.0>
BRYAN, C.A.
1 APPROXIMATE SOLUTIONS TO NONLINEAR INTEGRAL EQUATIONS,
     SIAM J. NUMER. ANAL. 5(1968), 151-155, AMR:22-777 <49.8>

BRYSK, H.
1   DETERMINANTAL SOLUTION OF THE FREDHOLM EQUATION WITH
        GREEN'S FUNCTION KERNEL, J. MATH. PHYS. 4(1963),
        1536-1538, MR:28-1456 <21.0, 59.6, 116.0>
2   SOME NON-BORN PHASE SHIFTS, PHYS. REV. 133 (1964)
        B1625-B1632, MR:29-1898 <21.0, 116.0>
3   DRUKAREV TRANSFORMATION OF DIRAC EQUATION, J. MATH.
        PHYS. 8(1967), 1631-1632 <59.6, 116.0>
BRYSK, H., BUCHANAN, M.L.
1   SCATTERING BY A CYLINDRICAL GAUSSIAN POTENTIAL-EXACT
        SOLUTION, CAN. J. PHYS. 43(1965), 23-37, MR:31-2987
        <59.6, 116.0>
BUCERIUS, H.
1   BAHNBESTIMMUNG ALS RANDWERT PROBLEM, V., ASTR. NACHR.
        282(1955), 107-121, M.R. 17-906 <115.0>
2   BAHNBESTIMMUNG ALS RANDWERTPROBLEM I, II, ASTR. NACHR.
        278(1950), 193-203, 204-216, MR:12-753 <115.0>
BUCHANAN, M.
1   SYSTEMS OF TWO LINEAR INTEGRAL EQUATIONS WITH TWO
        PARAMETERS AND SYMMETRIZABLE KERNELS, AMER. J. MATH.
        45(1923), 155-185 <24.9>
BUCHANAN, M.L.   (SEE - BRYSK, H.)
BUCHWALD, V.T.   (SEE ALSO - DORAN, H.E.)
1   EIGENFUNCTIONS OF PLANE ELASTOSTATICS, PROC. ROY. SOC. A
        277(1964), 385-400, AMR:19-4586 <104.6>
2   EIGENFUNCTIONS OF THE FULL DISLOCATION SOLUTION OF THE
        ANNULUS IN PLANE ELASTOSTATICS, PROC. 11TH INTERNATIONAL
        CONGRESS OF APPLIED MECHANICS MUNICH (1964), BERLIN,
        SPRINGER-VERLAG (1966), 368-371, AMR:20-1549 <104.0>
3   EIGENFUNCTIONS OF PLANE ELASTOSTATICS, III. THE WEDGE,
        J. AUSTRAL. MATH. SOC. 5(1965), 241-257, MR:31-2866
        <104.0>
BUCHWALD, V.T., DORAN, H.E.
1   EIGENFUNCTIONS OF PLANE ELASTOSTATICS II A MIXED
        BOUNDARY VALUE PROBLEM OF THE STRIP, PROC. ROY. SOC. A
        284 (1965), 69-82, AMR:18-7242 <71.0, 103.1>
BUCKINGHAM, R.A., BURKE, P.C.
1   THE SOLUTION OF INTEGRO-DIFFERENTIAL EQUATIONS OCCURRING
        IN NUCLEAR COLLISION PROBLEMS, ROME SYMP. (1960),
        458-475, MR:28-1471 <116.0>
BUCKLEY, H.
1   ON THE RADIATION FROM THE INSIDE OF A CIRCULAR CYLINDER,
        PHIL. MAG. (7), 4(1927), 753-762 <124.0>
BUDAK, B.M., USPENSKI, J.A.B.
1   A DIFFERENCE METHOD FOR SOLVING BOUNDARY VALUE PROBLEMS
        FOR AN INTEGRO-DIFFERENTIAL EQUATION OF PARABOLIC TYPE
        WITH DISCONTINUOUS COEFFICIENTS, VESTNIK. MOSKOV UNIV.
        SER. 1, MAT. MEH. 4(1963), 15-26, MR:28-732 <18.0>
BUDIANSKY, B.
1   SLOSHING OF LIQUIDS IN CIRCULAR CANALS AND SPHERICAL
        TANKS, J. AERO/SPACE SCI. 27(1960), 161-173, MR:22-434
        <112.0>

BUECKNER, H.F.   (SEE ALSO - ANSELONE, P.M.)
  1 KONVERGENZUNTERSUCHUNGEN BEI EINEM ALGEBRAISCHEN
       VERFAHREN ZUR NAHERUNGSWEISEN LOSUNG VON
       INTEGRALGLEICHUNGEN, MATH. NACHR. 3(1950), 359-372,
       MR:14-94 <42.0>
  2 DIE PRAKTISCHE BEHANDLUNG VON INTEGRALGLEICHUNGEN,
       SPRINGER (1952), MR:14-210 <01.0>
  3 A SPECIAL METHOD OF SUCCESSIVE APPROXIMATIONS FOR
       FREDHOLM INTEGRAL EQUATIONS, DUKE MATH. J. 15(1948),
       197-206, MR:9-624 <49.1>
  4 EIN UNBESCHRANKT ANWENDBARES ITERATIONSVERFAHREN FUR
       FREDHOLMSCHE INTEGRALGLEICHUNGEN, MATH. NACHR. 2(1949),
       304-313, MR:11-727 <49.1>
  5 LOSUNG VON INTEGRALGLEICHUNGEN, BER. MATH. - TAGUNG
       TUBINGEN 1946 (1947), 56-58, MR:9-39
  6 NUMERICAL METHODS FOR INTEGRAL EQUATIONS, IN 'SURVEY OF
       NUMERICAL ANALYSIS,' ED. J. TODD, MC GRAW - HILL, NEW
       YORK, 1962, 439-467, MR:24-81776 <05.0, 40.1>
  7 ON A CLASS OF SINGULAR INTEGRAL EQUATIONS, J. MATH.
       ANAL. APPL. 14(1966), 392-426, MR:33-1680 <74.1, 78.0>
  8 SOME STRESS SINGULARITIES AND THEIR COMPUTATION BY MEANS
       OF INTEGRAL EQUATIONS, IN 'BOUNDARY PROBLEMS IN
       DIFFERENTIAL EQUATIONS,' UNIV. OF WISC. PRESS (1960),
       215-230, MR:22-6147 <78.0, 103.1>
  9 AN ITERATIVE METHOD FOR SOLVING NONLINEAR INTEGRAL
       EQUATIONS, SYMPOSIUM ON THE NUMERICAL TREATMENT OF
       ORDINARY DIFFERENTIAL EQUATIONS, INTEGRAL AND
       INTEGRO-DIFFERENTIAL EQUATIONS (ROME, 1960) 613-643,
       BIRKHAUSER, BASEL, 1960,, MR:23-B2607 <27.0>
 10 EQUATIONS IN PARTIALLY ORDERED SPACES, IN NONLINEAR
       INTEGRAL EQUATIONS, U. OF WIS. PRESS (1964), 49-64,
       MR:28-5323 <34.0>
BUECKNER, H.F., JOHNSON, M.W., MOORE, R.H.
  1 THE CALCULATION OF EQUILIBRIUM STATES OF ELASTIC BODIES
       BY NEWTON'S METHOD, M. R. C. TECH. SUMMARY REPT. NO. 565,
       JUNE 1965 <49.0, 104.0>
BULLARD, E.C., COOPER, R.I.B.
  1 THE DETERMINATION OF THE MASSES NECESSARY TO PRODUCE A
       GIVEN GRAVITATIONAL FIELD, PROC. ROY. SOC. A 194(1968),
       332-347 <56.0, 90.0>
BURACZEWSKI, A.
  1 ON A CERTAIN PROPERTY OF DETERMINANT SYSTEMS, COLLOQ.
       MATH. 10(1963), 325-330, MR:28-104 <21.2>
  2 DETERMINANT SYSTEMS FOR GENERALIZED FREDHOLM OPERATORS,
       BULL. ACAD. POLON. SCI. SER. SCI. MATH. ASTRONOM. PHYS.
       9(1961), 435-440, MR:24-A2252 <21.2>
  3 THE DETERMINANT THEORY OF GENERALIZED FREDHOLM OPERATORS,
       STNDIA MATH. 22(1963), 265-307, MR:27-4084 <21.2>

BURAGO, YU.D., MAZ'YA, V.D.

1 POTENTIAL THEORY AND FUNCTION THEORY FOR IRREGULAR
REGIONS, SEMINARS IN MATHEMATICS, V. A. STEKLOV
MATHEMATICAL INSTITUTE, LENINGRAD, VOL. 3(TRANSLATION),
NEW YORK: CONSULTANTS BUREAU (PLENUM) 1969, MR:39-1633
<90.0>

BURAGO, YU.D., MAZ'YA, V.D., SAPOZHNIKOVA, V.D.

1 DOUBLE LAYER POTENTIAL FOR NONREGULAR REGIONS, DOKL.
AKAD. NAUK SSSR 147(1962) 523-525, TRANSL. SOVIET MATH.
3(1962) 1640-1642, MR:26-2630 <90.0>

2 ON THE THEORY OF SIMPLE AND DOUBLE-LAYER POTENTIALS FOR
DOMAINS WITH IRREGULAR BOUNDARIES., IN PROBLEMS IN
MATHEMETICAL ANALYSIS, VOL. I: BOUNDARY VALUE PROBLEMS
AND INTEGRAL EQUATIONS, SMIRAOV, V. I. (EDITOR). NEW
YORK: CONSULTANTS BUREAU (PLENUM) 1968, MR:38-4793
<90.0>

BURGER, A.P.

1 THE HALF-PLANE DIFFRACTION PROBLEM FOR HARMONIC TIME
DEPENDENCE, PROC. ROY. SOC. A 252(1959), 411-417,
MR:21-7689 <96.0>

BURKE, J.E.

1 SCATTERING OF SURFACE WAVES ON AN INFINITELY DEEP FLUID,
J. MATH. PHYS. 5(1964), 805-819, AMR:18-2956 <71.0,
112.0>

BURKE, J.E., CENSOR, D., TWERSKY, V.

1 EXACT INVERSE-SEPARATION SERIES FOR MULTIPLE SCATTERING
IN TWO DIMENSIONS, J. ACOUST. SOC. AMER. 37(1965), 5-13,
AMR:18-3810 <95.0>

BURKE, P.C.   (SEE - BUCKINGHAM, R.A.)

BURLAK, J.

1 A FURTHER NOTE ON CERTAIN INTEGRAL EQUATICNS OF ABEL
TYPE, PROC. EDINBURGH MATH. SOC. (2) 14 (1964/65),
255-256, MR:32-8091 <64.5>

2 A PAIR OF DUAL INTEGRAL EQUATIONS OCCURRING IN
DIFFRACTION THEORY, PROC. EDIN. MATH. SOC. 13(1962),
179-187, MR:26-5384 <67.5, 97.0>

3 ON GORDON'S METHOD OF SOLVING DUAL INTEGRAL EQUATIONS,
PROC. GLASGOW MATH. ASSOC. 6(1964), 117-122, MR:29-2620
<67.5>

4 ON THE SOLUTION OF DUAL INTEGRAL EQUATIONS, PROC.
GLASGOW MATH. ASSOC. 6(1963), 39-44, MR:26-6716 <67.5>

BURR, E.J.

1 SHARPENING OF OBSERVATIONAL DATA IN TWO DIMENSIONS,
AUSTRAL. J. PHYS. 8(1955), 30-53, MR:16-1018 <56.0,
124.0>

BURRUS, W.R.

1 UNSCRAMBLING SCINTILLATION SPECTROMETER DATA, I. R. E.
TRANS. ON NUCLEAR SCI., 102-115 <56.0, 124.0>

BUSBRIDGE, I.W.

1 ON SOLUTIONS OF CHANDRASEKHAR'S INTEGRAL EQUATION,
TRANS. AMER. MATH. SOC. 105(1962), 112-117, MR:25-5358
<119.5>

2   ON SOLUTIONS OF THE NON-HOMOGENEOUS FCRM OF MILNE'S
     FIRST INTEGRAL EQUATION, QUART. J. MATH. OXFORD SER. (2)
     6(1955), 218-231, MR:18-49 <119.4>

3   ON THE H-FUNCTIONS OF S. CHANDRASEKHAR, QUART. J. MATH.
     OXFORD SER. (2) 8 (1957), 133-140, MR:20-6641 <71.0,
     119.5>

4   ON THE X- AND Y- FUNCTIONS OF S. CHANDRASEKHAR,
     ASTROPHYS. J. 122(1955), 327-348, MR:17-377 <119.5>

5   THE MATHEMATICS OF RADIATIVE TRANSFER, CAMBRIDGE UNIV.
     PRESS (1960) <02.0, 71.0, 119.0>

6   DUAL INTEGRAL EQUATIONS, PROC. LOND. MATH. SOC. 44(1938),
     115-129 <67.0, 70.0>

BUSBRIDGE, I.W., STIBBS, D.W.N.
1   ON THE INTENSITIES OF INTERLOCKED MULTIPLET LINES IN THE
     MILNE-EDDINGTON MODEL, MONTHLY NOT. ROY. ASTR. SOC.
     114(1954), 2-16, MR:16-487 <119.0, 119.5>

BUSCHAM, W.
1   DIE ZURUCKFUHRUNG VON SPEZIELLEN LINEAREN
     INTEGRODIFFERENTIALGLEICHUNGEN AUF GEWOHNLICHE
     INTEGRALGLEICHUNGEN, Z. ANGEW. MATH. MECH. 32(1952),
     20-21, MR:13-752 <30.0>

BUSCHMAN, R.G.
1   AN INVERSION INTEGRAL FOR A GENERAL LEGENDRE
     TRANSFORMATION, SIAM REV. 5 (1963), 232-233, MR:27-5098
     <64.5>

2   INTEGRALS OF HYPERGEOMETRIC FUNCTIONS, MATH. Z. 89(1965),
     74-76, MR:31-1401 <64.5>

BUTKOUSKII, A.G.
1   THE MAXIMUM PRINCIPLE FOR OPTIMUM SYSTEMS WITH
     DISTRIBUTED PARAMETERS, AVTOMAT. I TELEMEH. 22(1961),
     1288-1301 , AUTOMAT. REMOTE CONTROL 22(1962), 1156-1169,
     MR:25-4367 <124.0>

BUTLER, T.
1   A MATHEMATICAL EXAMPLE BY HOPF WITH FEATURES OF
     TURBLENCE,, J. MATH. ANAL. APPLIC. 9(1964), 215-233,
     MR:29-6741 <31.0, 124.0>

BUTLEWSKI, Z.
1   SUR LA LIMITATION DES SOLUTION D'UN SYSTEME D'EQUATIONS
     INTEGRALES DE VOLTERRA, ANN. POLON. MATH. 6(1959),
     253-257, MR:21-6517 <10.0>

BUTROV, M.V.
1   DIFFRACTION OF A SCALAR WAVE BY A SLIT AND BY A CIRCULAR
     APERTURE IN A SCREEN OF ARBITRARY THICKNESS,
     AKUSTICHESKII ZHURNAL 6(1960), 16-22, MR:22-6318 <48.5,
     96.2, 97.0>

BUTUZOV, V.F.   (SEE ALSO - VASIL'EVA, A.B.)
1   ON THE QUESTION OF THE ASYMPTOTICS OF SOLUTIONS TO
     INTEGRO-DIFFERENTIAL EQUATIONS WITH A SMALL PARAMETER IN
     FRONT OF THE DERIVATIVE, DIFFERENCIAL'NYE URAVNENIJA
     2(1966), 391-406, TRANSL. DIFF. EQNS. 195-202,
     MR:33-3066 <57.0>

2 ASYMPTOTICS OF THE SOLUTION OF A CERTAIN PROBLEM FOR A
     NONLINEAR INTEGRO-DIFFERENTIAL EQUATION WITH A SMALL
     PARAMETER AT THE DERIVATIVE. DIFFERENTIAL'NYE URAVNENIJA
     4(1968), 491-507, MR:37-717 <17.8>
BUTZER, P.L.
  1 DIE ANWENDUNG DES OPERATORENKALKULS VON JAN MIKUSINSKI
     AUF LINEARE INTEGRALGLEICHUNGEN VOM FALTUNGSTYPUS. ARCH.
     RATIONAL MECH. ANAL. 2(1958), 114-128, MR:21-2874 <12.0,
       64.0>
  2 SINGULAR INTEGRAL EQUATIONS OF VOLTERRA TYPE AND THE
     FINITE PART OF DIVERGENT INTEGRALS. ARCH. RATIONAL MECH.
     ANAL. 3(1959), 194-205, MR:21-6514 <10.0>
BYATT-SMITH, J.G.B.
  1 AN EXACT INTEGRAL EQUATION FOR STEADY SURFACE WAVES.
     PROC. ROY. SOC. A 300(1969) <112.1>
BYCHAWSKI, Z.
  1 RESOLVING KERNEL OF THE VOLTERRA EQUATION IN THE CASE OF
     THE GENERALIZED CREEP FUNCTION. ARCH. MECH. STOS.
     9(1957), 247-257, MR:19-198 <106.0>
BYRD, P.F.
  1 AN INTEGRAL EQUATION OCCURRING IN THE THEORY OF A
     SLENDER QUASI-ASISYMMETRICAL BODY. J. AERONAUT. SCI.
     21(1954), 351, MR:15-716 <111.0>
BYRNE, W.J.JR.   (SEE - OLMSTEAD, W.E.)
CAIRO, L., KAHAN, T.
  1 CARACTERE VARIATIONNEL DU PRINCIPE DE RECIPROCITE EN
     ELECTROMAGNETISME CLASSIQUE. CAHIERS DE PHYS. 18 (1964),
     405-407, MR:31-4337 <48.5, 101.0>
  2 TECHNIQUES VARIATIONNELLES EN RADIOELECTRICITE. DUNOD
     (1962) <48.5, 99.0>
CAKMAK, A.S.   (SEE - YAU, W.F.)
CALAME, G.P., FEDERIGHT, F.D.
  1 A VARIATIONAL PROCEDURE FOR DETERMINING SPATIALLY
     DEPENDENT THERMAL SPECTRA. NUCL. SCI. ENG. 10 (1961)
     190-201 <48.5, 119.0>
CALENKO, P.I.   (SEE - POLOZII, G.N.)
CALIGO, D.
  1 CALCOLO DEL MINIMO AUTOVALORE RELATIVO AD UNA EQUAZIONE
     DELLA CONDUZIONE DEL CALORE IN UN FLUIDO SOGETTO A
     TURBOLENZA. ATTI ACCAD. NAZ. LINCEI REND. CL. SCI. FIS.
     MAT.NAT. (8) 32 (1962), 884-890, MR:26-7154 <54.0,
     89.0, 113.0>
CALJUK, Z.B.   (SEE ALSO - AZBELEV, N.V., LOGUNOV, A.I.)
  1 THE STABILITY OF VOLTERRA EQUATIONS. DIFFERENCIAL'NYE
     URAVNENIJA 4(1968), 1967-1979, MR:38-6318 <10.0>
CAMERON, A., GORDON, A.N., SYMM, G.T.
  1 CONTACT TEMPERATURES IN ROLLING/SLIDING SURFACES. PROC.
     ROY. SOC. A 286 (1965) , 45-61 <43.0, 53.1, 77.0,
     120.0, 124.0>
CAMERON, N.
  1 THE NUMERICAL SOLUTION OF THE SINGULAR INTEGRAL EQUATION
     FOR DIFFRACTION BY A SOFT STRIP. QUART. J. MECH. APPL.
     MATH. 19 (1966) 93-105, MR:33-6970 <48.5, 96.?>

CAMERON, R.H., SHAPIRO, J.M.
    1   NON-LINEAR INTEGRAL EQUATIONS, ANN. OF MATH. 62 (1955)
        472-497, MR:17-632 <11.0>
CAMPBELL, R.
    1   EQUATIONS INTEGRALES ET FONCTIONS DE LAME, C. R. ACAD.
        SCI. PARIS 235 (1952) 8-10, MR:13-942 <87.0>
    2   NOUVELLES EQUATIONS INTEGRALES POUR LES FONCTIONS DE
        LAME, C. R. ACAD. SCI. PARIS 234 (1952), 2512-2517,
        MR:13-942 <87.0>
    3   EQUATIONS INTEGRALES DES FONCTIONS DE MATHIEU ASSOCIEES
        ET APPLICATIONS, BULL. SOC. MATH. FRANCE, 78(1950)
        219-233, ALSO 185-218, MR:13-34 <87.0>
CAPON, J.
    1   ASYMPTOTIC EIGENFUNCTIONS AND EIGENVALUES OF A
        HOMOGENEOUS INTEGRAL EQUATION, IRE TRANS. IT-8 (1962)
        2-4, MR:25-415 <77.0, 82.0>
CAPPI, V.
    1   SUL TRATTAMENTO NUMERICO DEI SISTEMI DI EQUAZIONI
        INTEGRODIFFERENZIALI CON UN METODO DI APPROSSIMAZIONI
        SUCCESSIVE, ATTI. ACCAD. SCI. TORINO CL. SCI. FIS. MAT.
        NATUR. 98 (1963/64) 847-885, MR:30-2695 <26.0, 49.0>
CARLEMAN, T.
    1   UBER DIE ABELSCHE INTEGRALGLEICHUNG MIT KONSTANTEN
        INTEGRATIONSGRENZEN, MATH. Z. 15(1922), 111-120 <73.0,
        79.5>
    2   SUR LA RESOLUTION DE CERTAINES EQUATIONS INTEGRALES,
        ARKIV FOR MAT. ASTRON. OCH FYSIK. 16(1921), 1-19 <73.0,
        73.0, 78.0>
    3   PROBLEMES MATHEMATIQUES DANS LA THEORIE CINETIQUE DES
        GAZ, PUBL. SCI. INST. MITTAG-LEFFLER 2(1957), MR:20-4935
        <119.2>
    4   SUR LES EQUATIONS SINGULIERES A NOYAUX REELLES ET
        SYMETRIQUES, UPPSALA (1923) <25.0>
    5   ZUR THEORIE DER LINEAREN INTEGRALGLEICHUNGEN, MATH.
        ZEITS 9 (1921) 196-217 <21.0>
    6   LA THEORIE DES EQUATIONS INTEGRALES SINGULIERES ET SES
        APPLICATIONS, ANNALES INSTITUT POINCARE 1(1931), 401-430
        <73.0>
CARLITZ, L.
    1   SOME INTEGRAL EQUATIONS SATISFIED BY THE COMPLETE
        ELLIPTIC INTEGRALS OF THE FIRST AND SECOND KIND, BOLL.
        UN. MAT. ITAL. (3) 16 (1961) 264-268, MR:24-A2061 <87.0>
CARLSON, B.
    1   NUMERICAL SOLUTION OF NEUTRON TRANSPORT PROBLEMS, AMER.
        MATH. SOC. PROCEEDINGS OF SYMPOSIA IN APPLIED
        MATHEMATICS, VOL. 11 (1961) <53.6, 119.0>
CARLSTEDT, J.L., MULLIKIN, T.W.
    1   CHANDRASEKHAR'S X- AND Y- FUNCTIONS, ASTROPHYS. J.
        SUPPLEMENT SERIES 12 (1966) 449-585
CARRIER, G.F.
    1   INTEGRAL EQUATION BOUNDARY LAYER PROBLEMS, 50 JAHRE
        GRENZSCHICHTFORSCHUNG FESTSCHRIFT (FOR PRANDTL) (1954)
        <113.0>

2   ANALYTIC APPROXIMATION TECHNIQUES IN APPLIED MATHEMATICS,
        J. SOC. IND. MATH. 13 (1965) 68-95 <70.7, 71.8, 113.0>
3   ON THE DETERMINATION OF THE EIGEN-FUNCTIONS OF FREDHOLM
        EQUATIONS, J. MATH. AND PHYS. 27 (1948) 82-83, MR:9-625
        <54.0>
4   A GENERALIZATION OF THE WIENER-HOPF TECHNIQUE, QUART.
        APPL. MATH. 7 (1949) 105-109, MR:10-543 <72.0>
CARUSO, A., CAVALIERE, A.
    1   THE STRUCTURE OF THE COLLISIONLESS PLASMA-SHEATH
        TRANSITION, IL NUOVO CIMENTO 26 (1962) 1389-1404
CASE, K.M.
    1   ON WIENER-HOPF EQUATIONS, ANNALS OF PHYSICS 2 (1957)
        384-405, MR:21-1504 <72.8>
    2   SINGULAR INTEGRAL EQUATIONS, J. MATH. PHYS. 7 (1966)
        2121-2124, MR:34-4847 <73.0>
    3   SINGULAR SOLUTIONS OF CERTAIN INTEGRAL EQUATIONS, J.
        MATH. PHYS. 7(1966) 2125-2135, MR:34-5466 <83.3,6 (196>
    4   ELEMENTARY SOLUTIONS OF THE TRANSPORT EQUATION AND THEIR
        APPLICATIONS, ANN. PHYS. 9 (1960) 1-23, MR:22-357 <83.3,
        119.8>
    5   AN APPROXIMATION METHOD FOR DIFFRACTION PROBLEMS, REV.
        MOD. PHYS. (1964)669-679 <73.0, 96.5, 97.5>
    6   SINGULAR EIGENFUNCTIONS AND PLASMA PROBLEMS, PROC. SYMP.
        APPL. MATH. 18 (1967) 78-99 <83.3, 124.0>
CAVALIERE, A.   (SEE - CARUSO, A.)
CEBAN, V.G.
    1   ON THE METHODS OF SUCCESSIVE APPROXIMATIONS FOR LINEAR
        EQUATIONS, BUL. AKAD. STUNRE R. S. S. MOLDOVER (1965)
        114-117, MR:33-1726 <49.1>
CEBOTARU, I.S.
    1   ON THE NUMERICAL SOLUTION OF INTEGRAL EQUATION OF
        WIENER-HOPF TYPE, BULL. AKAD. STIINCE RSS MOLDOVEN, 1965,
        NO. 7, 118-121, MR:34-979 <42.0, 72.0>
CENSOR, D.   (SEE - BURKE, J.E.)
CERNYSENKO, E.A.
    1   INVESTIGATION OF CONVERGENCE AND ESTABLISHMENT OF AN
        ESTIMATE OF THE ERROR OF THE METHOD OF AVERAGING IN A
        COMPLETE NORMED SPACE, UKRAIN. MAT. Z. 6 (1954) 305-313,
        MR:17-665 <45.6>
    2   THE METHOD OF AVERAGING APPLIED TO THE DETERMINATION OF
        EIGENVALUES OF AN OPERATOR EQUATION, DOPOVICI AKAD.
        NAUK. UKRAIN. RSR (1955) 217-221, MR:17-665 <45.6,
        54.0>
CEPSKII, JU.I.   (SEE ALSO - GAKHOV, F.D.)
    1   TWO THEOREMS ON ERROR ESTIMATION AND SOME OF THEIR
        APPLICATIONS, DOKL. AKAD. NAUK SSSR 150 (1963) 271-274,
        MR:27-1796 <46.0, 76.0>
    2   A NORMALLY SOLVABLE EQUATION OF SMOOTH TRANSITION, DOKL.
        AKAD. NAUK SSSR 190(1970), 57-60, MR:41-2322 <65.0>
CHAKRABARTY, S.K., GUPTA, M.R.
    1   CALCULATIONS ON THE CASCADE THEORY OF SHOWERS, PHYS.
        REV. (2) 101 (1956) , 813-819, MR:17-805 <124.0>

CHAHINE, M.T.   (SEE - LIEPMANN, H.W.)

CHAMBERS, LL.G.
1 SOMMERFELD TYPE DIFFRACTION PROBLEMS FOR A PLATE, Z.
      ANGEW. MATH. MECH. 42 (1962) 545-555, MR:26-3283 <71.0,
      105.6>

CHAMBRE, P.L.
1 NONLINEAR HEAT TRANSFER PROBLEM, J. APPL.PHYS. 30 (1959)
      , 1683-1688, MR:21-7729 <13.0, 120.2>

CHANDRASEKHAR, S.   (SEE ALSO - MUNCH, G.)
1 ON THE RADIATIVE EQUILIBRIUM OF A STELLAR ATMOSPHERE,
      ASTROPHYS. J. 99 (1944) , 180-190, MR:6-76 <53.6, 119.3>
2 ON THE RADIATIVE EQUILIBRIUM OF A STELLAR ATMOSPHERE. II,
      ASTROPHYS. J. 100 (1944),76-86, MR:6-76 <53.6, 119.3>
3 ON THE RADIATIVE EQUILIBRIUM OF A STELLAR ATMOSPHERE.
      XIV, ASTROPHYS. J.105 (1947), 164-203, MR:8-467 <53.6,
      119.5>
4 RADIATIVE TRANSFER, OXFORD UNIVERSITY PRESS (1953),
      DOVER REPRINT (1960), MR:13-136 <02.0, 119.0, 119.5>
5 THE TRANSFER OF RADIATION IN STELLAR ATMOSPHERES, BULL.
      AMER. MATH. SOC.53 (1947), 641-711, MR:9-189 <119.0,
      119.5>

CHANDRASEKHAR, S., BREEN, F.H.
1 ON THE RADIATIVE EQUILIBRIUM OF A STELLAR ATMOSPHERE XVI,
      ASTROPHYS. J. 105 (1947), 435-440. XIX IBID 106 (1947),
      143-144, MR:9-40 <119.5>

CHANDRASEKHAR, S., ELBERT, D., FRANKLIN, A.
1 THE X-AND Y- FUNCTIONS FOR ISOTROPIC SCATTERING, II.
      ASTROPHYS.J. 115 (1952), ,269-278, MR:13-871 <119.5>

CHANG, C.C., LUNDGREN, T.S.
1 AIRFOIL IN A SONIC SHEAR FLOW JET - A MIXED BOUNDARY
      VALUE PROBLEM FOR THE GENERALIZED TRICOMI EQUATION,
      QUART. APPL. MATH. 17(1959/60), 375-392, MR:22-450
      <71.0,2695 >

CHANG, H.H.C.
1 ON THE DIFFRACTION OF ELECTROMAGNETIC WAVES BY A
      CIRCULAR APERTURE, AIR FORCE CAMBRIDGE RES. CR.
      AFCRC-TN-55 172 (1955) <71.0, 97.5>

CHA'   S.-H.
. A CLASS OF INTEGRODIFFERENTIAL EQUATIONS, AMER. J. MATH.
      71 (1949) 563-573, MR:11-38 <31.0>
2 A RELATION BETWEEN CHARACTERISTIC VALUES AND SINGULAR
      VALUES OF LINEAR INTEGRAL EQUATIONS, SCI. SINICA 3
      (1954), 237-245, MR:16-595 <24.0>
3 ON THE DISTRIBUTION OF THE CHARACTERISTIC VALUES YD
      SINGULAR VALUES OF LINEAR INTEGRAL EQUATIONS, TRANS.
      AMER. MATH. SOC. 67 (1949), 351-367, MR:11-523 <24.0>
4 INTEGRAL EQUATIONS WITH NORMAL KERNELS, ACTA. MATH.
      SINICA 4 (1954), 1-20 ENGLISH TRANSL. SCI. SINICA 3
      (1954), 363-385, MR: <22.0>
5 A RELATION BETWEEN CHARACTERISTIC VALUES AND SINGULAR
      VALUES OF LINEAR INTEGRAL EQUATIONS, ACTA MATH. SINICA 3,
      (1953) 200-207, MR:17-163 <24.0>

CHATURVEDI, H.C.   (SEE - GUPTA, P.M.)
CHEN, C.Y.   (SEE - TSAKONAS, S.)
CHEN, L.H., SCHWEIKERT, D.G.
    1   SOUND RADIATION FROM AN ARBITRARY BODY, J. ACOUST. SOC.
        AMER. 35(1963) 1626-1632, MR:27-5452 <53.2,   95.0>
CHEN, W.-Y.
    1   ON A CLASS OF NONLINEAR INTEGRAL EQUATIONS OF THE
        VOLTERRA TYPE, ACTA MATH. SINICA 14 (1964) 735-746
        CHINESE MATH. - ACTA. 6 (1965) 128-140, MR:31-2575
        <11.0>
CHEN, Y.M.   (SEE - RADLOW, J.)
CHENG, H.K., ROTT, N.
    1   GENERALIZATIONS OF THE INVERSION FORMULA OF THIN AIRFOIL
        THEORY, J. RAT. MECH. ANAL. 3 (1954) 357-382, MR:16-414
        <73.0, 108.0>
CHEREPANOV, G.P.
    1   SOLUTION OF A LINEAR BOUNDARY VALUE PROBLEM OF RIEMANN
        FOR TWO FUNCTIONS AND ITS APPLICATION TO CERTAIN MIXED
        PROBLEMS IN THE THEORY OF ELASTICITY, P. M. M. 26(1962),
        907-912, TRANSL. J. APPL. MATH. MECH. 1369-1377,
        MR:26-5785 <74.5, 103.1>
    2   THE PRESSURE OF A RIGID BODY ON PLATES AND MEMBRANES,
        P.M.M. 29 (1965) 282-290 TRANSL. J. APPL. MATH. MECH.
        316-325 <74.5, 103.0>
CHERRY, T.M.
    1   INFINITE LINEAR SYSTEMS WITH HOMOGENEOUS KERNEL OF
        DEGREE -1, J. AUSTR. MATH.SOC. 5 (1965), 129-168,
        MR:32-333 <35.7>
CHERSKII, YU.I.
    1   APPROXIMATE SOLUTION OF THE WIENER-HOPF EQUATION IN AN
        EXCEPTIONAL CASE, DIFFERENTSIAL'NYE URAVNENIYA 2(1966),
        1093-1100, TRANSL. DIFF. EQNS., 565-569 <70.0>
CHERTOCK, G.
    1   SOUND RADIATION FROM VIBRATING SURFACES, J. ACOUST. SOC.
        AMER. 36 (1964), 1305-1313 <53.2,   95.0>
CHEW, G.F.   (SEE - JACOB, M.)
CHEW, G.F., MANDELSTAM, S.
    1   THEORY OF THE LOW-ENERGY PION-PION INTERACTION, PHYS.
        REV. 119(1960), 467-477, MR:22-11880 <116.8>
CHEW, G.F., MANDELSTAM, S., NOYES, H.P.
    1   S-WAVE DOMINANT SOLUTIONS OF THE PION-PION INTEGRAL
        EQUATIONS, PHYS. REV. 119(1960), 478-481, MR:22-11881
        <116.8>
CHIANG, D.   (SEE - LUNDGREN, T.S.)
CHILAP, A.IA.   (SEE - SKVORTSOV, E.V.)
CHILDRESS, S.
    1   SOLUTION OF EULER'S EQUATIONS CONTAINING FINITE EDDIES,
        PHYS. FLUIDS 9(1966) 860-872, MR:34-3853 <113.5>
CHISHOLM, J.S.R.   (SEE ALSO - WATSON, K.M.)
    1   SOLUTION OF LINEAR INTEGRAL EQUATIONS USING PADE
        APPROXIMANTS, J. MATH. PHYS. 4(1963), 1506-1510,
        MR:28-1470 <20.0,   49.0>

    2   PADE APPROXIMANTS AND LINEAR INTEGRAL EQUATIONS, THE
            PADE APPROXIMANT IN THEORETICAL PHYSICS, ED. G. A. BAKER,
            J. L. GAMMEL, ACADEMIC (1970), 171-182 <20.0, 49.0>
CHIU, Y.P.   (SEE - WU , T.-S.)
CHORANIAN, K.S.   (SEE - GALFAIAN, P.O.)
CHOVER, J.
    1   A THEOREM ON INTEGRAL TRANSFORMS WITH AN APPLICATION TO
            PREDICTION THEORY, J. MATH. MECH. 8 (1959), 939-946,
            MR:22-167 <29.0, 125.0>
CHOVER, J., NEY, P.E.
    1   A NONLINEAR INTEGRAL EQUATION AND ITS APPLICATION TO
            CRITICAL BRANCHING PROCESSES, J. MATH. MECH. 14 (1965),
            723-735, MR:31-2761 <12.5, 121.0>
    2   THE NONLINEAR RENEWAL EQUATION, J. D'ANAL. MATH. 21
            (1968), 381-413 <12.5, 121.0>
CHU, S.C., DIAZ, J.B.
    1   A FIXED POINT THEOREM FOR ' IN THE LARGE ' APPLICATION
            OF THE CONTRACTION PRINCIPLE, ATTI DELLA ACCADEMIA DELLE
            SCIENZE DI TORINO 99(1964/65), 351-363 <11.0, 49.1>
CHU, S.C., METCALF, F.T.
    1   POINTWISE BOUNDS FOR SOLUTIONS OF A CLASS OF FUNCTIONAL
            EQUATIONS, QUART. APPL. MATH. 25(1968), 441-451,
            MR:37-1824 <13.0, 45.8>
CHUDINOVA, A.A.
    1   AN INTEGRAL EQUATION OF THE INVERSE PROBLEM OF
            ELECTRICAL PROSPECTING, IZVEST. VYSSHIKL UCHABNYKH
            ZAVEDENII MAT. (U. S. S. R.) 49(1965), 150-155, TRANSL.
            FROM INST. MODERN LANGUAGES, INC., WASH., D. C.
CHUMAKOV, F.V.
    1   GENERAL THEORY OF INTEGRAL EQUATIONS WITH POWER - SERIES
            KERNEL, DIFFERENTSIAL'NYE URAV. 2(1966), 544-559,
            TRANSL. IN DIFF. EQNS., 279-286 <73.0, 74.5, 79.5>
    2   A GENERAL THEORY OF INTEGRAL EQUATIONS WITH A POWER
            KERNEL, DIFFERENCIAL'NYE URAVNENIJA 2(1966), 544-559,
            TRANSL. DIFF. EQNS. 279-286, MR:36-5632 <79.5>
    3   INTEGRAL EQUATIONS WITH LOGARITHMIC KERNELS,
            DIFFERENTIAL'NYE URAVNENIJA, 4(1968), 336-346 <77.0>
CIBRIKOVA, L.I.   (SEE - GAKHOV, F.D.)
CIOLKOWSKI, S.
    1   THE APPLICATION OF FREDRICH'S TECHNIQUE TO THE SHIP
            PROBLEM, REPT. NO. RM-199, FEB(1962), AND REPT. NO.
            RE-164, MAY (1963), GRUMMAN AIRCRAFT ENG. CORP. RESEARCH
            DEPT., BETHPAGE, N. Y.
CLAASSEN, R.W., THORNE, C.J.
    1   VIBRATIONS OF A RECTANGULAR CANTILEVER PLATE, PACIFIC
            MISSILE RANGE TECH. REPT. NO. P.M.R.-T.R. 61-1
CLARKE, A.B.
    1   A WAITING LINE PROCESS OF MARKOV TYPE, ANN. MATH. STAT.
            27(1956), 452-459, MR:18-157 <122.0, 123.0>
COCHRAN, J.A.
    1   THE EXISTENCE OF EIGENVALUES FOR THE INTEGRAL EQUATIONS
            OF LASER THEORY, BELL SYSTEM TECH. J. 44 (1965), 77-88,
            MR:30-1368 <24.0, 124.0>

COESTER, F.
    1   SYSTEMATIC APPROXIMATION FOR THE SINGLE CHANNEL
          SCATTERING AMPLITUDE, PHYS. REV. 133(1964), B1516-1519
          <20.0, 116.1>
COFFMAN, C.V.
    1   A MINIMUM-MAXIMUM PRINCIPLE FOR A CLASS OF NON-LINEAR
          INTEGRAL EQUATIONS, J. ANALYSE MATH. 22(1969), 391-419,
          MR:40-3224 <28.0>
COHEN, E.R.   (SEE - GOLDSTEIN, S.)
COHEN, J.W.
    1   THE SINGLE SERVER QUEUE, NORTH HOLLAND (1969) <122.0>
COLLATZ, L.
    1   EINSCHLIESSUNGSSATZ FUR DIE EIGENWERTE VON
          INTEGRALGLEICHUNGEN, MATH. ZEITS. 47(1941), 395-398,
          MR:4-83 <54.0>
    2   VERGLEICH DER INTEGRALGLEICHUNGSMETHODE VON BUCERIUS MIT
          DEM RITZSCHEN VERFAHREN ZUR GENAHERTEN LOSUNG VON
          DIFFERENTIALGLEICHUNGEN, ASTR. NACHR. 271 (1941) 116-120,
          MR:3-154 <45.0, 89.0>
    3   SCHRITTWEISE NAHERUNGEN BEI INTEGRALGLEICHUNGEN UND
          EIGENWERTSCHRANKEN, MATH. Z. 46 (1940) 692-708, MR:2-312
          <54.0>
    4   EIGENWERTE UND IHRE NUMERISCHE BEHANDLUNG, 2ND EDITION
          AKAD. VERLAG. LEIPZIG. (1963) <54.0>
    5   EIGENWERTAUFGABEN BEI EINER KLASSE LINEARER
          INTEGRO-DIFFERENTIALGLEICHUNGEN, Z. ANGEW. MATH. MECH.
          25/27 (1947) 129-130, MR:9-445 <17.0>
    6   NUMERISCHE BEHANDLUNG VON DIFFERENTIALGLEICHUNGEN,
          SPRINGER (1955) ENGLISH TRANSL. (1960), MR:16-962 <40.5>
COLLATZ, L., SCHRODER, J.
    1   EINSCHLIESSEN DER LOSUNG VON RANDWERTAUFGABEN, NUM.
          MATH. 1(1959), 61-72
COLLINS, W.D.   (SEE ALSO - BARRAT, P.J.)
    1   NOTE ON THE ELECTRIFIED SPHERICAL CAP, PROC. CAMBRIDGE
          PHIL. SOC. 55 (1959), 377-379, MR:22-1315 <92.8, 83.6>
    2   NOTE ON AN ELECTRIFIED CIRCULAR DISK SITUATED INSIDE AN
          EARTHED COAXIAL INFINITE CYLINDER, PROC. CAMB. PHIL.
          SOC. 57(1961), 623-627, MR:23-8782 <32.1, 92.9>
    3   ON THE SOLUTION OF SOME AXISYMMETRIC BOUNDARY VALUE
          PROBLEMS BY MEANS OF INTEGRAL EQUATIONS . I. - SOME
          ELECTROSTATIC AND HYDRODYNAMIC PROBLEMS FOR A SPHERICAL
          CAP, QUART. J. MECH. AND APPL. MATH. 12(1959), 232-241,
          MR:21-4743 <74.2, 92.8>
    4   ON THE SOLUTION OF SOME AXISYMMETRIC BOUNDARY VALUE
          PROBLEMS BY MEANS OF INTEGRAL EQUATIONS, II. - FURTHER
          PROBLEMS FOR A CIRCULAR DISC AND A SPHERICAL CAP,
          MATHEMATIKA 6(1959), 120-133, MR:22-7644 <74.2, 92.1,
          92.8>
    5   ON THE SOLUTION OF SOME AXISYMMETRIC BOUNDARY VALUE
          PROBLEMS BY MEANS OF INTEGRAL EQUATIONS, III. SOME
          ELECTROSTATIC AND HYDRODYNAMIC PROBLEMS FOR TWO
          SPHERICAL CAPS, PROC. LOND. MATH. SOC. (3) 10 (1960),
          428-460, MR:22-9709 <74.2, 92.8>

6 ON THE SOLUTION OF SOME AXISYMMETRIC BOUNDARY VALUE
   PROBLEMS BY MEANS OF INTEGRAL EQUATIONS. IV. - THE
   ELECTROSTATIC POTENTIAL DUE TO A SPHERICAL CAP BETWEEN
   TWO INFINITE CONDUCTING PLANES, PROC. EDIN. MATH. SOC.
   12(1960), 95-106, MR:23-A3855 <74.2, 92.8>
7 ON THE SOLUTION OF SOME AXISYMMETRIC BOUNDARY VALUE
   PROBLEMS BY MEANS OF INTEGRAL EQUATIONS V. SOME SCALAR
   DIFFRACTION PROBLEMS FOR CIRCULAR DISKS, QUART. J. MECH.
   AND APPLIED MATH. 14 (1961), 101-171, MR:23-B2799 <74.2>
8 ON THE SOLUTION OF SOME AXISYMMETRIC BOUNDARY-VALUE
   PROBLEMS BY MEANS OF INTEGRAL EQUATIONS VI - FURTHER
   SCALAR DIFFRACTION PROBLEMS, PROC. LOND. MATH. SOC.
   15(1965), 167-192, MR:30-815 <74.2, 97.0>
9 ON THE SOLUTION OF SOME AXISYMETRIC BOUNDARY VALUE
   PROBLEMS BY MEANS OF INTEGRAL EQUATIONS VII. THE
   ELECTROSTATIC POTENTIAL DUE TO A SPHERICAL CAP SITUATED
   INSIDE A CIRCULAR CYLINDER, PROC. EDIN. MATH. SOC. 13
   (1962), 13-23, MR:25-4759 <74.2, 92.8>
10 ON THE SOLUTION OF SOME AXISYMETRIC BOUNDARY PROBLEMS BY
   MEANS OF INTEGRAL EQUATIONS . VIII. POTENTIAL PROBLEMS
   FOR A CIRCULAR ANNULUS, PROC. EDINBURGH MATH. SOC. 13
   (1962/63), 235-246, MR:28-439 <74.2, 92.5>
11 THE FORCED TORSIONAL OSCILLATIONS OF AN ELASTIC
   HALF-SPACE AND AN ELASTIC STRATUM, PROC. LOND. MATH.
   SOC. 12(1962), 226-244, MR:24-B2199 <74.2, 105.7>
12 SOME AXIALLY SYMMETRIC STRESS DISTRIBUTIONS IN ELASTIC
   SOLIDS CONTAINING PENNY-SHAPED CRACKS I. CRACKS IN AN
   INFINITE SOLID AND A THICK PLATE, PROC. ROY. SOC. A. 266
   (1962), 359-386, MR:27-4412 <74.2, 103.6, 103.7>
13 SOME AXIALLY SYMMETRIC STRESS DISTRIBUTIONS IN ELASTIC
   SOLIDS CONTAINING PENNY-SHAPED CRACKS. II. CRACKS IN
   SOLIDS UNDER TORSION, MATHEMATIKA 9 (1962), 25-37,
   MR:27-4413 <74.2, 103.6>
14 SOME AXIALLY SYMMETRIC STRESS DISTRIBUTIONS IN ELASTIC
   SOLIDS CONTAINING PENNY-SHAPED CRACKS. III. A CRACK IN A
   CIRCULAR BEAM, PROC. EDIN. MATH. SOC. 13 (1962), 69-78
   <74.2, 103.9>
15 SOME INTEGRALS INVOLVING LEGENDRE FUNCTIONS, PROC. EDIN.
   MATH. SOC. II. (1959), 161-165, MR:21-6448 <64.5>
16 SOME SCALAR DIFFRACTION PROBLEMS FOR A SPHERICAL CAP,
   ARCH. RAT. MECH. AND ANAL. 10 (1962), 249-266,
   MR:26-4607 <66.7, 97.0>
17 ON SOME TRIPLE SERIES EQUATIONS AND THEIR APPLICATIONS,
   ARCH. RAT. MECH. ANAL. 11 (1962), 122-137, MR:26-5383
   <66.9>
18 ON SOME DUAL SERIES EQUATIONS AND THEIR APPLICATION TO
   ELECTROSTATIC PROBLEMS FOR SPHEROIDAL CAPS, PROC. CAMB.
   PHIL. SOC. 57(1961), 367-386, MR:23-B204 <66.7, 92.9>

COLOMBO, S.
1 SUR LES EQUATIONS INTEGRALES DE VOLTERRA A NOYAUX
   LOGARITHMIQUES, C. R. ACAD. SCI. PARIS. 235 (1952),
   928-929, MR:14-562 <12.0>

2 SOPRA L'EQUAZIONE INTEGRALE, A NUCLEO DIPENDENTE DAL
   PARAMETRO, DELLE VIBRAZIONI NORMALI DI UNA SFERA IMMERSA
   IN UN .UIDO, REND. SEM. MAT. UNIV. PADOVA 17(1948),
   29-38, AR:10-543 <89.0>

COMMON, A.K.
1 APPLICATION OF THE THEORY OF PADE APPROXIMANTS TO THE
   SOLUTION OF THE N/D EQUATIONS, J. MATH. PHYS. 8(1967),
   1669-1675 <20.0, 49.0, 116.8>
2 THE SOLUTION OF THE N/D EQUATIONS USING THE PADE
   APPROXIMANT METHOD, THE PADE APPROXIMANT IN THEORETICAL
   PHYSICS, ED. G. A. BAKER, J. L. GAMMEL, ACADEMIC (1970),
   241-256 <20.0, 49.0, 116.8>

CONWAY, W. E.
1 THE TWO-DIMENSIONAL VERTICAL JET UNDER GRAVITY, J. MATH.
   ANAL. APPLIC. 19(1967) 282-290, MR:35-7644 <113.5>

COOK, B.C.
1 LEAST STRUCTURE SOLUTION OF PHOTONUCLEAR YIELD FUNCTIONS,
   NUCLEAR INSTR. AND METHODS 24 (1963), 256-268

COOKE, J.C.
1 THE COAXIAL CIRCULAR DISC PROBLEM, ZEIT. ANG. MATH. UND
   MECH. 38(1958), 349-356, MR:20-6275 <92.5>
2 A SOLUTION OF TRANTER'S DUAL INTEGRAL EQUATIONS PROBLEM,
   QUART. J. MECH. AND APPL. MATH. 9(1956), 103-110,
   MR:17-977 <67.5, 92.1>
3 SOME FURTHER TRIPLE INTEGRAL EQUATION SOLUTIONS, PROC.
   EDINBURGH MATH. SOC. (2) 13 (1962/63), 303-316,
   MR:28-4313 <67.9>
4 THE SOLUTION OF TRIPLE INTEGRAL EQUATIONS IN OPERATIONAL
   FORM., QUART. J. MECH. AND APPL. MATH. 18 (1965), 57-72,
   MR:30-4130 <67.9, 68.0>
5 TRIPLE INTEGRAL EQUATIONS, QUART. J. MECH. AND APPL.
   MATH. 16 (1963), 193-203, MR:27-553 <67.9>
6 NOTE ON A PAIR OF DUAL TRIGONOMETRIC SERIES, GLASGOW
   MATH. J. 9 (1968), 30-35, MR:37-5632 <66.1>
7 THE SOLUTION OF SOME INTEGRAL EQUATIONS AND THEIR
   CONNECTION WITH DUAL INTEGRAL EQUATIONS AND SERIES,
   GLASGOW MATH. J. 11(1970), 9-20, MR:41-5911 <66.0,
   77.0>

COOKE, J.C., TRANTER, C.J.
1 DUAL FOURIER-BESSEL SERIES, QUART. J. MECH. APPL. MATH.
   12 (1959), 379-386, MR:22-1314 <66.2>

COOLEY, J.W., LEWIS, P.A.W., WELCH, P.D.
1 APPLICATION OF THE FAST FOURIER TRANSFORM TO COMPUTATION
   OF FOURIER INTEGRALS, FOURIER SERIES, AND CONVOLUTION
   INTEGRALS, T. E. E. E. TRANS. AE-15 (1967), 79-85 <63.1>
2 HISTORICAL NOTES ON THE FAST FOURIER TRANSFORM, IEEE
   TRANS. AU-15(1967), 76-79 <63.1>
3 THE FINITE FOURIER TRANSFORM, IEEE TRANS. AU-17(1969),
   77-85 <63.1>

COOLEY, J.W., TUKEY, J.W.
1 AN ALGORITHM FOR THE MACHINE CALCULATION OF COMPLEX
   FOURIER SERIES, MATH. COMP. 19 (1965) 297-301,
   MR:31-2843 <63.1>

COOPER, L.N.   (SEE ALSO - BARDEEN, J.)
   1 AN INTEGRAL EQUATION, QUART. J. MATH. (OXFORD) 9 (1938)
         263-273
COOPER, R.I.B.   (SEE - BULLARD, E.C.)
COPLEY, L.G.
   1 INTEGRAL EQUATION METHOD FOR RADIATION FROM VIBRATING
         BODIES, J. ACOUST. SOC. AMERICA 41(1967), 807-816,
         AMR:21-3778 <95.0>
COPLEY, L.G., SANDERS, J.L., JR.
   1 A LONGITUDINAL CRACK IN A CYLINDRICAL SHELL UNDER
         BENDING AND STRETCHING, REPORT SM-19, DIVISION OF
         ENGINEERING AND APPLIED PHYSICS, HARVARD UNIV. (1967)
         <104.3>
COPSON, E.T.
   1 ON AN INTEGRAL EQUATION ARISING IN THE THEORY OF
         DIFFRACTION, QUART. J. MATH. , OXFORD SER. 17 (1946),
         19-34, MR:8-29 <71.0, 96.0>
   2 ON CERTAIN DUAL INTEGRAL EQUATIONS, PROC. GLASGOW MATH.
         ASSOC. 5 (1961), 21-24, MR:33-7803 <67.5>
   3 ON THE PROBLEM OF THE ELECTRIFIED DISC, PROC. EDIN.
         MATH. SOC. 8(1947),14-19, MR:9-318 <83.6, 92.1>
   4 AN INTEGRAL-EQUATION METHOD OF SOLVING PLANE DIFFRACTION
         PROBLEMS, PROC. ROY. SOC. A 186(1946), 100-118, MR:8-179
         <70.0, 96.0>
CORD, M.S., SYLVESTER, R.J.
   1 THE PROPERTY OF CROSS-SYMMETRY, J. SOC. INDUST. APPL.
         MATH. 10 (1962) 632-637, MR:27-3651
CORDUNEANU, C.
   1 QUELQUES PROBLEMES QUALITATIFS DE LA THEORIE DES
         EQUATIONS INTEGRO-DIFFERENTIELLES, COLLOQ. MATH.
         18(1967), 77-87, MR:36-5640 <17.0>
   2 PROBLEMES GLOBAUX DANS LA THEORIE DES EQUATIONS
         INTEGRALES DE VOLTERRA, ANN. DI MAT. PURA ET APPLIC.
         67(1965), 349-363, MR:32-331 <11.0>
   3 SOME PERTURBATION PROBLEMS IN THE THEORY OF INTEGRAL
         EQUATIONS, MATH. SYST. THEORY 1(1967), 143-155,
         MR:35-4773 <11.0>
   4 SUR CERTAINES EQUATIONS FONCTIONNELLES DE VOLTERRA,
         FUNKCIAL. EKVAC. 9(1966), 119-127 <11.0>
   5 SUR UNE EQUATION INTEGRALE NON-LINEAIRE, AN. STI. UNIV.
         'AL. T. CUZA,' IASI SECT. 1, 9(1963), 369-375,
         MR:32-1529 <12.5>
   5 SUR UNE EQUATION INTEGRALE DE LE THEORIE DU REGLAGE
         AUTOMATIQUE, C.R. ACAD. SCI. PARIS 256(1963), 3564-3567,
         MR:27-6100 <12.5>
COSTELLO, G.A.
   1 THE APPROXIMATE SOLUTION OF THE DIRICHLET PROBLEM BY
         MEANS OF INTEGRAL EQUATIONS, SIAM J. NUM. ANAL. 8(1971),
         135-136 <90.2>
COULSON, C.A.   (SEE - WALMSLEY, M.)

COURANT, R., HILBERT, D.
    1 METHODEN DER MATHEMATISCHEN PHYSIK, BAND I, BERLIN
          (1931)(ENGLISH EDITION, 1953) <02.0>
COWGILL, A.P.
    1 THE MATHEMATICS OF WEIR FORMS, QUART. APPL. MATH. 2
          (1944), 142-147, MR:6-192 <123.2>
COX, D.R.
    1 RENEWAL THEORY, METHUEN (1962)
CRANDALL, M.G., RABINOWITZ, P.
    1 MULTIPLE SOLUTIONS OF A NONLINEAR INTEGRAL EQUATION,
          ARCH. RAT. MECH. ANAL. 37(1970),262-267, MR:41-765
          <27.0>
CREASE, J.
    1 LONG WAVES ON A ROTATING EARTH IN THE PRESENCE OF A
          SEMI-INFINITE BARRIER, J. FLUID MECH. 1(1956), 86-96,
          MR:18-776 <71.0, 112.5>
    2 THE PROPAGATION OF LONG WAVES INTO A SEMI-INFINITE
          CHANNEL IN A ROTATING SYSTEM, J. FLUID MECH. 4(1958),
          306-320, MR:20-840 <71.0, 112.5>
CREBENJUK, D.G.
    1 THE APPROXIMATE SOLUTION OF A FREDHOLM INTEGRAL EQUATION
          IN TWO VARIABLES, IZV. AKAD. NAUK. U. S. S. R. SER. FIZ.
          MAT. NAUK 4(1962), 12-16,, MR:26-5374
CRONIN, J.
    1 BRANCH POINTS OF SOLUTIONS OF EQUATIONS IN BANACH SPACE,
          TRANS. AMER. MATH. SOC. 69 (1950), 208-231, MR:12-716
          <27.0, 34.0>
    2 BRANCH POINTS OF SOLUTIONS OF EQUATIONS IN A BANACH
          SPACE. II, TRANS. AMER. MATH. SOC. 76(1954), 207-222,
          MR:16-47 <27.0, 34.0>
    3 FIXED POINTS AND TOPOLOGICAL DEGREE IN NONLINEAR
          ANALYSIS, MATHEMATICAL SURVEYS, NO. 11, AMERICAN
          MATHEMATICAL SOCIETY (1964), MR:29-1400 <34.0, 37.5>
CROUT, P.D.   (SEE ALSO - HILDEBRAND, F.B.)
    1 AN APPLICATION OF POLYNOMIAL APPROXIMATION TO THE
          SOLUTION OF INTEGRAL EQUATIONS ARISING IN PHYSICAL
          PROBLEMS, J. MATH AND PHYS. 19 (1940) 34-92, MR:1-127
          <45.0, 50.0>
    2 A LEAST SQUARE PROCEDURE FOR SOLVING HOMOGENEOUS
          INTEGRAL EQUATIONS, J. MATH. AND PHYS. 40 (1961),
          103-115, MR:26-3220 <45.2>
CROUT, P.D., HILDEBRAND, F.B.
    1 A LEAST SQUARES PROCEDURE FOR SOLVING INTEGRAL EQUATIONS
          BY POLYNOMIAL APPROXIMATIONS, J. MATH. AND PHYS. 20
          (1941), 310-335 <45.2>
CRUM, M.M.
    1 ON AN INTEGRAL EQUATION OF CHANDRASEKHAR, QUART. J.
          MATH. (OXFORD) 18 (1947), 244-252, MR:9-356 <73.0,
          119.5>
CRUMP, K.S.
    1 ON SYSTEMS OF RENEWAL EQUATIONS, J. MATH. ANAL. APPL.
          30(1970), 425-434, MR:41-2328 <12.0, 121.0>

　　2　ON SYSTEMS OF RENEWAL EQUATIONS: THE REDUCIBLE CASE, J.
　　　　MATH. ANAL. APPL. 31(1970), 517-528, MR:41-8946　<12.0,
　　　　121.0>

CRYER, C.W.
　　1　ON THE CALCULATION OF THE LARGEST EIGENVALUE OF AN
　　　　INTEGRAL EQUATION, NUM.MATH. 10 (1967), 165-176,
　　　　MR:35-7617　<54.0>
　　2　ON THE COMPUTATION OF RIGOROUS BOUNDS FOR THE SOLUTIONS
　　　　OF LINEAR INTEGRAL EQUATIONS WITH THE AID OF INTERVAL
　　　　ARITHMETIC, U. WIS. COMP. SCI. TECH. REPT. R70 (1969)
　　　　<45.8>

CULLER, G.J., FRIED, B.D., HUFF, R.W., SCHNEFK, J.K.
　　1　SOLUTION OF THE GAP EQUATION FOR A SUPERCONDUCTOR, PHYS.
　　　　REVIEW LETTERS 8 (1962), 399 <125.0>

CULLER, G.J., HUFF, R.W.
　　1　SOLUTION OF NONLINEAR INTEGRAL EQUATIONS USING ON-LINE
　　　　COMPUTER CONTROL, PROC. SPRING JOINT COMP. CONFERENCE
　　　　(1962), 129-138 <125.0>

CUMAKOV, F.V.
　　1　INTEGRAL EQUATIONS WITH LOGARITHMIC KERNEL,
　　　　DIFFERENCIAL'NYE URAVENIJA 4(1968), 336-346, MR:38-506
　　　　<77.0>

CUMBERBATCH, E.
　　1　TWO-DIMENSIONAL PLANING AT HIGH FROUDE NUMBER, J. FLUID
　　　　MECH. 4(1959), 466-478, MR:20-6878 <109.0>

DACOSTA, M.　　　　　　　　(SEE - HORVAY, G.)

DAFERMOS, C.M.
　　1　AN ABSTRACT VOLTERRA EQUATION WITH APPLICATIONS TO
　　　　LINEAR VISCOELASTICITY, J. DIFF. EQUATIONS 7(1970),
　　　　554-569, MR:41-4305　<17.0, 106.0>

DAGAN, G.
　　1　LINEARIZED SOLUTION OF UNSTEADY DEEP FLOW TOWARD AN
　　　　ARRAY OF HORIZONTAL DRAINS, J. GEOPHYSICAL RES. 69(1964)
　　　　3361-3369, AMR:18-2512 <113.5>

DANILIUK, I.I.
　　1　ON THE THEORY OF ONE-DIMENSIONAL SINGULAR EQUATIONS,
　　　　PROBLEMS OF CONTINUUM MECHANICS (MUSKHELISHVILI
　　　　ANNIVERSARY VOLUME), 93-103, SIAM, PHILADELPHIA, PA.,
　　　　1961, MR:26-2839　<74.5>

DAS, A.K.
　　1　INDENTATION OF SEMI-INFINITE TRANSVERSELY ISOTROPIC
　　　　ELASTIC SOLID BY A RIGID SPHERE UNDER THE INFLUENCE OF
　　　　FRICTION, BULL. CALC. MATH. SOC. 59(1967), 99-108 <103.8>

DASCALOPOULOS, D.
　　1　EXISTENZ UND EINDEUTIGKEIT DER LOSUNG VON LINEAREN
　　　　VOLTERRASCHEN INTEGRODIFFERENTIALGLEICHUNGEN UND
　　　　SYSTEMEN VOM FALTUNGSTYP MIT KONSTANTEN KOEFFIZIENTEN,
　　　　MATH. ANN. 148(1962), 67-82, MR:26-1723　<12.0, 64.0>

DATTA, S.K.
　　1　TORSIONAL WAVES IN AN INFINITE ELASTIC SOLID CONTAINING
　　　　A PENNY-SHAPED CRACK, Z. ANGEW. MATH. PHYS. 21(1970),
　　　　343-351 <105.7>

2 THE DIFFRACTICN OF A PLANE COMPRESSIONAL ELASTIC WAVE BY
A RIGID CIRCULAR DISC. QUART. APPL. MATH. 28(1970), 1-14
<105.6>

DAVIDENKO, D.F.
1 THE USE OF THE VARIATIONAL METHOD IN THE CONSTRUCTION OF
VERY ACCURATE ITERATION FORMULAS FOR FINDING THE
NUMERICAL SOLUTIONS TO NON-LINEAR INTEGRAL EQUATIONS.
D.A.N. 162(1965), 499-502, TRANSL. SOVIET MATH. DOKL.
6(1965), 702-706, MR:31-2838 <49.0>

DAVIES, P.J.
1 ON NUMERICAL INTEGRATION OF PERIODIC ANALYTIC FUNCTIONS.
'ON NUMERICAL APPROXIMATIONS', ED. R. E. LANGER, UNIV.
OF WISCONSIN PRESS, 1959 <41.0>

DAVIS, A.M.J.
1 WAVES IN THE PRESENCE OF AN INFINITE DOCK WITH GAP, J.
INST. MATH. APPL. 6(1970), 141-156 <112.5>

DAVIS, H.T.
1 INTRODUCTION TO NONLINEAR DIFFERENTIAL AND INTEGRAL
EQUATIONS. DOVER (1962), MR:31-6000 <02.0>
2 THE PRESENT STATUS OF INTEGRAL EQUATIONS, IND. UNIV.
STUDIES. 13(1926), NO. 70 <05.0>
3 A SURVEY OF METHODS FOR THE INVERSION OF INTEGRALS OF
VOLTERRA TYPE, IND. UNIV. STUDIES, 14(1927), NOS. 76, 77
<05.0, 15.0>
4 THE THEORY OF THE VOLTERRA INTEGRAL EQUATION OF SECOND
KIND, IND. UNIV. STUDIES, 17(1930), NOS. 88, 89, 90
<05.0, 10.0>

DAVIS, J.
1 NUMERICAL INTEGRATION OF LINEAR INTEGRAL EQUATIONS WITH
MILD DISCONTINUITY, NUM. MATH. 13 (1969) 357-361 <42.0>

DAVIS, P.
1 SOME THEOREMS FOR INFINITE SYSTEMS OF LINEAR EQUATIONS.
J. INDIAN MATH. SOC. (N. S.) 14(1950), 139-155,
MR:12-713 <35.0>

DAVIS, P., RABINOWITZ, P.
1 NUMERICAL INTEGRATION, BLAISDELL (1967) <41.0>

DAVISON, B.
1 A REMARK ON THE VARIATIONAL METHOD, PHYS. REV. (2) 71,
(1947), 694-697, MR:8-586 <48.5>
2 NEUTRON TRANSPORT THEORY, OXFORD UNIV. PRESS (1957)
<119.0>

DAY, J.T.
1 A STARTING METHOD FOR SOLVING NONLINEAR VOLTERRA
INTEGRAL EQUATIONS, M. R. C. REPT. NO. 631, FEB. 1966
<13.0>

DE BRUIJN, N.G.
1 ON SOME VOLTERRA INTEGRAL EQUATIONS OF WHICH ALL
SOLUTIONS ARE CONVERGENT, KONINKL NEDERL. AKAD.
WETENSCH., PROC. 53, 813-821 = INDAGATIONES MATH.
12(1950), 257-265, MR:12-30 <12.0>

DECELL, H.P., LEA, P.N.
    1 NUMERICAL INTEGRATION AND RIEMANN-STIELTJES SUMS, SIAM
          REV. 8(1966), 196, MR:34-951 <41.0>
DE HOOP, A.T.
    1 ON INTEGRALS OCCURRING IN THE VARIATIONAL FORMULATION OF
          DIFFRACTION PROBLEMS, PROC. KONINKL. NEDERL. AKAD. VAN
          WET. B58(1955), 325-330 <48.5>
    2 ON THE SCALAR DIFFRACTION BY A CIRCULAR APERTURE IN AN
          INFINITE PLANE SCREEN, APPL. SCI. RES. B4 (195) 151-160
          <43.5, 97.0>
    3 VARIATIONAL FORMULATION OF TWO-DIMENSIONAL DIFFRACTION
          PROBLEMS WITH APPLICATION TO DIFFRACTION BY A SLIT,
          PROC. KONINKL. NEDERL. AKAD. VAN WET. B58 (1955) 401-411
          <96.5, 96.2>
DEICH, E.G.
    1 ON AN AXIALLY SYMMETRICAL CONTACT PROBLEM FOR A
          NON-PLANE DIE CIRCULAR IN PLAN, PMM 26(1962) , 931-934,
          TRANSL J. APPL. MATH. MECH., 1404-1409 <103.7>
    2 ON SOME INFINITE SYSTEMS OF EQUATIONS, U. S. S. R. COMP.
          MATH. AND MATH. PHYS. 1(1962), 191-194 <35.0>
DEJON, B.   (SEE ALSO - WALTHER, A.)
    1 EIN VORSHLAG FUR DIE WAHL DER KOLLOKATIONPUNKTE BEI DER
          LOSUNG LINEARER INTEGRALGLEICHUNGEN, Z. ANGEW. MATH.
          MECH. 42 (1962) 917 <42.0>
DELSARTE, J.
    1 SUR QUELQUES EQUATIONS DE TYPE RECURRENTIEL ET SUR LEURS
          APPLICATIONS NUMERIQUES AUX EQUATIONS DIFFERENTIELLES ET
          INTEGRO-DIFFERENTIELLES, BIRKHAUSER VERLAG, PROC. ROME.
          SYMPOSIUM, (1960), 104-116, MR:27-457 <12.0>
DELVES, L.M.   (SEE - PENNELL, M.M.)
DEMIDOVIC, B.P.
    1 FORCED OSCILLATIONS OF A QUASILINEAR SYSTEM IN THE
          PRESENCE OF A RAPIDLY CHANGING EXTERNAL FORCE, PMM
          25(1961), 705-715, TRANSL. J. APPL. MATH. AND MECH.
          1044-1059,, MR:24-B1317
DEMURU, M.L.   (SEE - MONTAGNINI, B.)
DENCHEV, P.
    1 A NON-LINEAR BOUNDARY VALUE PROBLEM IN THE THEORY OF
          ANALYTIC FUNCTIONS ARISING IN QUANTUM FIELD THEORY, Z.
          VYCISL. MAT. I MAT. FIZ. 3 (1963), 771-776, TRANSL.
          U.S.S.R. COMP. MATH. AND MATH. PHYS., 1043-1052,
          MR:27-3810 <117.0>
DENNY, S.B.
    1 APPLICABILITY OF THE DOUGLAS COMPUTER PROGRAM TO HULL
          PRESSURE PROBLEMS, DAVID TAYLOR MODEL BASIN RES. AND
          DEV., REPT. NO. 1786, OCT. (1963) <53.1, 110.0>
DEPATER, A.D.
    1 ON THE RECIPROCAL PRESSURE BETWEEN TWO ELASTIC BODIES,
          PROCEED OF A SYMP. ON ROLLING CONTACT PHENOMENA 29-75
          <103.9>
DEPREE, J.D.   (SEE ALSO - JOHNSON, H.L.)

1 REDUCTION OF LINEAR INTEGRAL EQUATIONS WITH DIFFERENCE
   KERNELS TO NONLINEAR INTEGRAL EQUATIONS, J. MATH. ANAL.
   APPLIC. 26(1969), 539-544 <72.8>

DESAI, R.C., ROSS, J.
1 SOLUTIONS OF BOLTZMANN EQUATION AND TRANSPORT PROCESSES,
   J. CHEM. PHYS. 49(1968), 3754-3764 <119.2>

DHALIWAL, R.S.
1 AN AXISYMMETRIC MIXED BOUNDARY VALUE PROBLEM FOR A THICK
   SLAB, SIAM J. APPL. MATH. 15(1967), 98-106, AMR:20-7731
   <67.5, 92.3>
2 MIXED BOUNDARY VALUE PROBLEM OF HEAT CONDUCTION FOR
   INFINITE SLAB, APPL. SCI. RES. 16(1966), 228-240,
   AMR:20-3571 <67.5, 92.3>

DIAMENT, P.
1 INTEGRAL EQUATIONS FOR INHOMOGENEOUS MAGNETOPLASMA WAVES,
   STANFORD UNIV. INST. PLASMA RES., REPT. NO. SU-IPR-174,
   JUNE (1967) <124.0>

DIAZ, J.B.   (SEE - CHU, S.C.)
DINGHAS, A.
1 ZUR EXISTENZ VON FIXPUNKTEN BEI ABBILDUNGEN VOM
   ABEL-LIOUVILLESCHEN TYPUS, MATH. Z. 70(1958), 174-189,
   MR:21-2171 <15.0>
2 UBER EINE INTEGRALGLEICHUNG FUR DIE POLYNOME DER
   POTENTIALTHEORIE, NORSKE VID. SELSK. SKR., TRONDHEIM
   1950, NO. 2 (1951), 14PP., MR:13-741 <24.0, 79.0>

DISTEFANO, J.N.
1 A VOLTERRA INTEGRAL EQUATION IN THE STABILITY OF SOME
   LINEAR HEREDITARY PHENOMENA, J. MATH. ANAL. APPLIC.
   23(1968), 365-383, MR:37-3290 <12.0, 121.0>

DISTEFANO, J.N., SACKMAN, J.L.
1 SOME STABILITY CRITERIA FOR NONLINEAR HEREDITARY
   PHENOMENA, INTERIM TECH. REPT. NO. 65-7, AUGUST (1965),
   STRUCT. ENG. LAB., UNIV. CALIF., BERKELEY <11.0, 121.0>
2 ON ASYMPTOTIC STABILITY OF NONLINEAR HEREDITARY
   PHENOMENA, QUART. APPL. MATH. 24(1966), 133-141,
   MR:34-2243 <11.0, 121.0>

DIXON, W.R., AITKEN, J.H.
1 THE RESOLUTION CORRECTION IN THE SCINTILLATION
   SPECTROMETRY OF CONTINUOUS X-RAYS, CAN. J. PHYS.
   30(1958), 1624-1633 <56.0, 125.0>

DMITRIEU, V.I., ZAHAROV, E.V.
1 THE SOLUTION OF A CERTAIN CLASS OF INTEGRAL EQUATIONS ON
   THE RAY, COMPUT. METHODS AND PROGRAMMING (COMPUT. CENTER
   MOSCOW UNIV. COLLECT. WORKS III), 317-328, IZDAT.
   MOSKOV. UNIV., MOSCOW, 1965, MR:33-4637 <70.0, 96.0>

DOETSCH, G.
1 BEMERKUNG ZU DER ARBEIT VON V. FOCK - UBER EINE KLASSE
   VON INTEGRALGLEICHUNGEN, MATH. ZEITS., 24(1926), 785-788
   <12.0, 64.0>
2 THEORIE UND ANWENDUNG DER LAPLACE - TRANSFORMATION,
   SPRINGER (1937) REPRINTED, DOVER (1943), MR:5-119 <02.0,
   62.1>

3   DIE INTEGRODIFFERENTIALGLEICHUNGEN VOM FALTUNGSTYPUS,
      MATH. ANN. 89(1923), 192-207 <12.0, 64.0>
4   HANDBUCH DER LAPLACE-TRANSFORMATION 3 VOLS, BIRKHAUSER,
      BASEL (1950-1956) <62.1>
DOL'BERG, M.D.
  1   ON THE SOLUTION OF INTEGRAL EQUATIONS BY MEANS OF SERIES,
      DOKL. AKAD. NAUK S. S. S. R. 134(1960), 25-28, SOVIET
      MATH. DOKL. 1, 1003-1006, MR:23-A1219 <21.8>
DOLPH, C.L.   (SEE ALSO - BARRAR, R.B.)
  1   NON-LINEAR EQUATIONS OF THE HAMMERSTEIN TYPE, PROC. NAT.
      ACAD. SCI. U. S. A. 31(1945), 60-65, MR:6-158 <26.0>
  2   NONLINEAR INTEGRAL EQUATIONS OF THE HAMMERSTEIN TYPE,
      TRANS. AMER. MATH. SOC. 66(1949), 289-307, MR:11-367
      <26.0>
  3   POSITIVE REAL RESOLVENTS AND LINEAR PASSIVE HILBERT
      SYSTEMS, ANN. ACAD. SCI. FENN. SER. A I NO. 336-9 (1963),
      39PP., MR:29-1563 <22.0>
  4   RECENT DEVELOPMENTS IN SOME NON-SELF-ADJOINT PROBLEMS OF
      MATHEMATICAL PHYSICS, BULL. AMER. MATH. SOC. 67(1961),
      1-69, MR:25-5612 <48.5, 83.0>
DOLPH, C.L., MCLEOD, J.B., THOE, T.D.
  1   THE ANALYTIC CONTINUATION TO THE UNPHYSICAL SHEET OF THE
      RESOLVENT KERNEL, AND THE SCATTERING OPERATOR WITH THE
      SCHROEDINGER OPERATOR, J. MATH. ANAL. APPLIC. 16(1966),
      311-332 <21.8, 116.6>
DOLPH, C.L., MINTY, G.J.
  1   ON NONLINEAR INTEGRAL EQUATIONS OF THE HAMMERSTEIN TYPE,
      IN 'NONLINEAR INTEGRAL EQUATIONS', ED. P. M. ANSELONE,
      UNIV. WISC. PRESS, MADISON, WIS., 1964, 99-154,
      MR:28-4322 <26.0>
DOMBROVSKAJA, I.N.
  1   THE APPROXIMATE SOLUTION OF FREDHOLM INTEGRAL EQUATIONS
      OF FIRST KIND, M. R. C. TECH. REPT. NO. 652, APR. 1966,
      TRANSL. URAL. GOS. UNIV. MAT. ZAPISKI (U. S. S. R.)
      4(1964), 30-35, MR:31-6100 <56.0>
DORAN, H.E.   (SEE ALSO - BUCHWALD, V.T.)
  1   THE WEDGE WITH A SYMMETRIC CRACK AT THE VERTEX IN PLANE
      ELASTOSTATICS, J. INST. MATH. APPL. 5(1969), 363-372
      <71.0, 103.9>
DORAN, H.E., BUCHWALD, V.T.
  1   THE HALF-PLANE WITH AN EDGE CRACK IN PLANE ELASTOSTATICS,
      J. INST. MATH. APPLIC. 5(1969), 91-112 <71.0, 103.1>
DORODICYN, A.A.
  1   ASYMPTOTIC LAWS OF DISTRIBUTIONS OF THE CHARACTERISTIC
      VALUES FOR CERTAIN SPECIAL FORMS OF DIFFERENTIAL
      EQUATIONS OF THE SECOND ORDER, USPEHI MAT. NAUK 7(1952),
      , 3-96, AMER. MATH. SOC. TRANSL. (2) 16, 1-101,
      MR:14-876 <85.0>
DOPP, J.   (SEE ALSO - WALTHER, A.)
  1   MATHIEUSCHE FUNKTIONEN ALS EIGENFUNKTIONEN GEWISSER
      INTEGRALGLEICHUNGEN, ZEITS. ANGEW. MATH. MECH. 38(1958),
      171-175, MR:20-130 <87.0>

2 STRENGE LOSUNG DER INTEGRALGLEICHUNG FUR DIE STROMUNG
   DURCH EIN SENKRECHTES FLUGELGITTER, ING. - ARCH.
   19(1951), 66-68, MR:13-44 <78.0, 108.0>

3 UBER ZWEI MIT DER TRAGFLUGELTHEORIE IN ZUSAMMENHANG
   STEHENDE INTEGRALGLEICHUNGEN, ING. - ARCH. 20(1952),
   88-90, MR:14-54 <78.0, 108.0>

4 ZWEI INTEGRALGLEICHUNGEN ERSTER ART, DIE SICH MIT HILFE
   MATHIEUSCHER FUNKTIONEN LOSEN LASSEN, Z. ANGEW. MATH.
   PHYSIK 3(1952), 427-439, MR:14-562 <76.0, 87.0>

DOUGLAS, J.,JR.
   1 MATHEMATICAL PROGRAMMING AND INTEGRAL EQUATIONS.
      SYMPOSIUM ON THE NUMERICAL TREATMENT OF ORDINARY
      DIFFERENTIAL EQUATIONS, INTEGRAL AND
      INTEGRO-DIFFERENTIAL EQUATIONS, 269-274. BIRKHAUSER,
      BASEL, 1960, MR:29-175" <16.0, 56.0>

DOUGLAS, J.,JR., JONES, B.F.
   1 NUMERICAL METHODS FOR INTEGRODIFFERENTIAL EQUATIONS OF
      PARABOLIC AND HYPERBOLIC TYPES, NUMER. MATH. 4(1962),
      96-102, MR:25-3614 <18.0>

DOUGLIS, A.
   1 PROPERTIES OF WEAK SOLUTIONS OF GENERALIZED RADIAL
      TRANSPORT EQUATION, J. DIFFERENTIAL EQUATIONS 1(1965),
      240-272, MR:32-2872 <30.0, 119.3>
   2 A FINITE-DIFFERENCE METHOD FOR GENERALIZED RADIAL
      TRANSPORT EQUATIONS, J. DIFFERENTIAL EQUATIONS 3(1967),
      451-481, MR:36-3521 <119.3>

DOVNOROVICH, V.I.
   1 ON THE STATE OF STRESS IN AN ELASTIC BODY WITH A PLANE
      CRACK, P. M. M. 26(1962), 342-343, TRANS. J. APPL. MATH.
      MECH., 487-490 <103.1>

DOWNING, A.C.,JR.   (SEE - BARTELS, R.C.F.)

DRAGOS, L.
   1 SUR L'EQUATION INTEGRO-DIFFERENTIELLE DE PRANDTL, COM.
      ACAD. R. P. ROMINE 8(1958), 451-459, MR:21-2892 <74.5,
      108.0>

DRAZIN, P.S., MOORE, D.W.
   1 STEADY TWO-DIMENSIONAL FLOW OF FLUID OF VARIABLE DENSITY
      OVER AN OBSTACLE, J. FLUID. MECH. 28(1967), 353-370
      <66.1, 113.0>

DRESNER, L.
   1 ISOPERIMETRIC AND OTHER INEQUALITIES IN THE THEORY OF
      NEUTRON TRANSPORT, J. MATH. PHYS. 2(1961), 829-847
      <48.5, 119.0>

DRUKAREV, G.F.
   1 ZH. EKSPER - TEOR. FIZ. 25(1953), 139
   2 THE THEORY OF COLLISIONS OF ELECTRONS WITH ATOMS, SOVIET
      PHYSICS JETP 4(1957), 309-320, MR:19-505 <116.0, 123.0>
   3 THE THEORY OF ELECTRON-ATOM COLLISIONS, ACADEMIC (1965)
      <116.0, 123.0>

DUBNER, H., ABATE, J.
1   NUMERICAL INVERSION OF LAPLACE TRANSFORMS BY RELATING
    THEM TO THE FINITE FOURIER COSINE TRANSFORM. J. ASSOC.
    COMP. MACH., 68(1968), 115-123 <63.0>
DUCK, I.M.   (SEE - BARNARD, A.C.L.)
DUDYK, V.YU.
1   THE APPROXIMATE SOLUTION OF A CLASS OF INTEGRAL
    EQUATIONS, UKRAINSKII MAT. Z. 21(1969), 530-534, TRANLL.
    UKR. MATH. J., 452-456 <45.0>
DUFFIN, R.J.
1   TWO-DIMENSIONAL HILBERT TRANSFORMS, PROC. AMER. MATH.
    SOC. 8(1957), 239-245, MR:18-804 <62.8>
DUREN, P.L.
1   ON THE THEORY OF WIENER-HOPF OPERATORS, APPL. MATH. AND
    STATISTICS LAB., REPT. NO. TR 104, DEC. (1961) <70.0>
DWIVEDI, A.P.
1   DUAL INTEGRAL EQUATIONS INVOLVING BESSEL FUNCTIONS,
    INDIAN J. MATH. 8(1966), 61-70, MR:35-3398 <67.5>
2   DUAL INTEGRAL EQUATIONS WITH TRIGONOMETRIC KERNELS,
    INDIAN J. MATH. 7(1965), 89-99, MR:34-4849 <67.1>
3   ON SOME PAIRS OF DUAL INTEGRAL EQUATIONS, BULL. CALCUTTA
    MATH. SOC. 60(1968),15-24, MR:41-4166 <67.5>
4   ON THE SOLUTION OF SIMULTANEOUS DUAL SERIES EQUATIONS,
    PROC. NAT. ACAD. SCI. INDIA SECT. A 37(1967), 149-155,
    MR:40-4712 <66.2>
5   CERTAIN BESSEL FUNCTION DUAL INTEGRAL EQUATIONS, GANITA
    18(1967), 21-34, MR:38-504 <67.5>
6   SOLUTION OF CERTAIN TRIPLE INTEGRAL EQUATIONS, INDIAN J.
    MATH. 9(1967), 343-356(1968), M.R. 40-6207, MR:40-6207
DYBIN, V.B.
1   AN EXCEPTIONAL CASE FOR A DUAL INTEGRAL EQUATION OF
    CONVOLUTION TYPE, DOKL. AKAD. NAUK SSSR 176(1967),
    251-254, TRANSL. SOVIET MATH. DOKL. 8(1967), 1073-1077,
    MR:37-1917 <70.0>
DZANASIJA, G.A.   (SEE - BANCURI, R.D.)
ECKART, C.   (SEE ALSO - SPARROW, E.M.)
1   THE CORRECTION OF CONTINUOUS SPECTRA FOR THE FINITE
    RESOLUTION OF THE SPECTROMETER, PHYS. REV. 51(1937),
    735-738 <56.0>
ECKERT, E.R.G.   (SEE - SPARROW, E.M.)
ECKHAUS, W.
1   A METHOD FOR THE ASYMPTOTIC EXPANSION OF THE INTEGRAL
    EQUATION OF A LIFTING SURFACE AT NEAR-SONIC SPEEDS, NAT.
    LUCHTVAARTLAB. AMSTERDAM NLL-TN F. 200(1957), MR:19-799
    <108.0>
EDELS, H., HEARNE, K.H., YOUNG, A.
1   NUMERICAL SOLUTIONS OF THE ABEL INTEGRAL EQUATION, J.
    MATH. AND PHYS. 41(1962), 62-75, MR:25-1656 <16.0>
EDELSTEIN, W.S., GURTIN, M.E.
1   UNIQUENESS THEOREMS IN THE LINEAR THEORY OF ANISOTROPIC
    VISCOELASTIC SOLIDS, BROWN UNIV. PROVIDENCE R. I., DIV.
    OF APPL. MATHS. REPT. NO. TR24, FEB., 1964, AMR:17-3164
    <105.0>

EDEN, R.J.
    1   COVARIANT INTEGRAL EQUATIONS FOR HEISENBERG OPERATORS,
        PROC. CAMBRIDGE PHILOS. SOC. 50(1954), 592-603,
        MR:16-318 <116.8>
EDEN, R.J., LANDSHOFF, P.V., OLIVE, D.I., POLKINGHORNE, J.C.
    1   THE ANALYTIC S-MATRIX, CAMBRIDGE UNIVERSITY PRESS (1966)
        <116.8>
EDWARDS, T.W., VAN BLADEL, J.
    1   ELECTROSTATIC DIPOLE MOMENT OF A DIELECTRIC CUBE, APPL.
        SCI. RES. B9(1961/2), 151-155 <43.0, 53.1, 90.0>
EHRMANN, H.
    1   NICHTLINEARE INTEGRALGLEICHUNGEN VOM HAMMERSTEINSCHEN
        TYP, MATH. ZEITS. 82(1963), 403-412, MR:28-2418 <26.0>
    2   ZUM EINSCHLIESSUNGSSATZ VON COLLATZ FUR DIE EIGENWERTE
        VON INTEGRALGLEICHUNGEN, MATH. Z. 83(1964), 67-71,
        MR:29-2613 <54.0>
EICHLER, M.
    1   KONSTRUKTION LOSENDER KERNE FUR SINGULARE
        INTEGRALGLEICHUNGEN ERSTER ART, INSBESONDERE BEI
        DIFFERENZKERN, MATH. Z. 48 (1942), 503-526, MR:5-70
        <78.0>
EINSPRUCH, N.G., WITTERHOLT, E.J., TRUELL, R.
    1   SCATTERING OF A PLANE TRANSVERSE WAVE BY A SPHERICAL
        OBSTACLE IN AN ELASTIC MEDIUM, J. APPL. PHYS. 31(1960),
        806-818
ELBERT, D.   (SEE - CHANDRASEKHAR, S.)
ELDER, A.S.
    1   THE TRANSIENT RESPONSE OF A VISCOELASTIC TORSIONAL
        PENDULUM, TRANS. SOC. RHEOL. 6(1965), 187-212 <106.0>
ELLER, E.   (SEE - WALTHER, A.)
ELLIOTT, D.
    1   A CHEBYSHEV SERIES METHOD FOR THE NUMERICAL SOLUTION OF
        FREDHOLM INTEGRAL EQUATIONS, COMP. J. 6(1963/64),
        102-111, MR:27-5386 <45.4>
    2   APPLICATIONS OF CHEBYSHEV SERIES IN NUMERICAL ANALYSIS,
        TECH. REPT., 1963, SYDNEY UNIV. <45.4>
    3   THE NUMERICAL SOLUTION OF INTEGRAL EQUATIONS USING
        CHEBYSHEV POLYNOMIALS, AUSTR. J. MATH. 1(1959/60),
        344-356, MR:23-B1171 <45.4>
ELLIOTT, D., WARNE, W.G.
    1   ALGORITHMS FOR THE NUMERICAL SOLUTION OF LINEAR INTEGRAL
        EQUATIONS OF THE SECOND KIND, REPT. NO. TR-7, APRIL 1965,
        DEPT. OF MATH. TASMANIA UNIV. HOBART (AUSTRALIA) <45.4>
ELLIOTT, J.
    1   THE BOUNDARY VALUE PROBLEMS AND SEMI-GROUPS ASSOCIATED
        WITH CERTAIN INTEGRO-DIFFERENTIAL OPERATORS, TRANS.
        AMER. MATH. SOC. 76(1954), 300-331, MR:15-715 <25.0,
        78.0>
    2   MILNE'S PROBLEM WITH A POINT-SOURCE, PROC. ROY. SOC.
        A228 (1955), 424-433, MR:16-1121
    3   ON A CLASS OF INTEGRAL EQUATIONS, PROC. AMER. MATH. SOC.
        3(1952), 566-572, MR:14-180 <25.0, 50.0, 78.0>

    4   ON AN INTEGRODIFFERENTIAL OPERATOR OF THE CAUCHY TYPE.
        PROC. AMER. MATH. SOC. 7(1956), 616-626, MR:19-185
        <25.0,   73.0,   78.0>
    5   ON SOME SINGULAR INTEGRAL EQUATIONS OF THE CAUCHY TYPE.
        ANN. OF MATH. (2) 54 (1951), 349-370, MR:13-468   <25.0,
        78.0>
ELTERMANN, H.
    1   BESTIMMUNG EINER AUSGEZEICHNETEN LOSUNG DER
        INTEGRALGLEICHUNG ERSTER ART DURCH SCHRITTWEISE NAHERUNG,
        VEROFFENTLICHUNGEN MATH. INST. TECH. HOCHSCHULE
        BRAUNSCHWEIG 1947, NO. 5 (1947),, MR:11-544   <56.0>
ENGLAND, A.H.
    1   AN ARC CRACK AROUND A CIRCULAR ELASTIC INCLUSION, TRANS.
        A. S. M. E., J. APPL. MECH., (1966), 637-640,
        AMR:20-6996   <74.1, 103.4>
ENGLAND, A.H., GREEN, A.E.
    1   SOME TWO-DIMENSIONAL PUNCH AND CRACK PROBLEMS IN
        CLASSICAL ELASTICITY, PROC. CAMB. PHIL. SOC. 59(1963),
        489-500, MR:27-1004   <74.1, 103.1>
ENSKOG, D.
    1   EINE ALLGEMEINE METHOD ZUR AUFLOSUNG VON LINEAREN
        INTEGRALGLEICHUNGEN, MATH. ZEITS 24 (1926) 670-683
    2   ZUR BEGRUNDUNG DER THEORIE DER FREDHOLMSCHEN
        INTEGRALGLEICHUNG, MATH. ZEITS 25 (1926) 299-304
    3   UBER DIE AUFLOSUNG EINER SINGULAREN INTEGRALGLEICHUNG,
        ACTA MATH. 54 (1930) 177-184
EPSTEIN, B.
    1   A METHOD FOR THE SOLUTION OF THE DIRICHLET PROBLEM FOR
        CERTAIN TYPES OF DOMAINS, QUART. APPL. MATH. 6(1948),
        301-317, MR:10-486   <90.2>
    2   PARTIAL DIFFERENTIAL EQUATIONS, AN INTRODUCTION, MC GRAW
        HILL (1962)   <02.0,   90.0>
EPSTEIN, B., SENTER, H.
    1   THE THREE-DIMENSIONAL DIRICHLET PROBLEM ASSOCIATED WITH
        A PLANE LAMINA, UNIV. OF NEW MEXICO TECH. REPT. NO. 118,
        1966   <90.2>
EPSTEIN, L.F.   (SEE - ZIMM, B.)
EPSTEIN, S.T.   (SEE - HIRSCHFELDER, J.O.)
ERDELYI, A.
    1   (ED.) TABLES OF INTEGRAL TRANSFORMS, VOLS. I., II,
        BATEMAN MSS. PROJECT, MCGRAW-HILL (1956)   <62.1>
    2   GENERAL ASYMPTOTIC EXPANSIONS OF LAPLACE INTEGRALS,
        ARCH. RATIONAL MECH. ANAL. 7(1961) 1-20, MR:24-A982
        <63.5>
    3   A RESULT ON NONLINEAR VOLTERRA INTEGRAL EQUATIONS,
        STUDIES OF MATH. ANAL. (1962), 104-109, STANFORD UNIV.
        PRESS., MR:26-A1717   <11.0>
    4   SOME APPLICATIONS OF FRACTIONAL INTEGRATION, BOEING
        TECH. REPT. D1-82-0286 (1963)   <68.0>
    5   AN APPLICATION OF FRACTIONAL INTEGRALS, J. D'ANALYSE
        MATHEMATIQUE 14(1965), 113-126
    6   AN EXAMPLE IN SINGULAR PERTURBATIONS, MONATSHEFT FUR
        MATH. 65(1961), 123-128, MR:25-2400   <10.0,   85.0>

7 AN INTEGRAL EQUATION INVOLVING LEGENDRE FUNCTIONS, J.
SOC. INDUST. APPL. MATH. 12(1964), 15-30, MR:29-1514
<64.5>

9 AN INTEGRAL EQUATION INVOLVING LEGENDRE'S POLYNOMIAL,
AMER. MATH. MONTHLY 70(1963), 651-652, MR:28-436 <15.0,
79.0>

9 AXIALLY SYMMETRIC POTENTIALS AND FRACTIONAL INTEGRATION,
J. SOC. INDUST. APPL. MATH. 13(1965), 216-228,
AMR:18-6521 <68.0, 92.0>

10 SINGULAR VOLTERRA INTEGRAL EQUATIONS AND THEIR USE IN
ASYMPTOTIC EXPANSIONS, M. R. C. TECH. SUMMARY REPT. NO.
194, SEPT. 1960 <10.0, 85.0>

11 THE INTEGRAL EQUATIONS OF ASYMPTOTIC THEORY. IN
'ASYMPTOTIC SOLUTIONS OF DIFFERENTIAL EQUATIONS AND
THEIR APPLICATIONS', PROC. SYMPOS., MATH. RES. CENTER,
UNIV. WISC., WILEY(1964), 211-229, MR:30-302 <10.0,
85.0>

12 INTEGRAL EQUATIONS FOR HEUN FUNCTIONS, QUART. J. MATH.,
(OXFORD) 13(1942), 107-112, MR:4-140 <87.0>

13 ON A NONLINEAR BOUNDARY VALUE PROBLEM INVOLVING A SMALL
PARAMETER, J. AUSTRAL. MATH. SOC. 2 (1961/62) 425-439,
MR:26-2697 <89.0>

14 DIE FUNKSCHE INTEGRALGLEICHUNG DER KUGELFUNKTION UND
IHRE UBERTRAGUNG AUF DIE UBERKUGEL, MATH. ANN. 115
(1938) 456-465 <87.0>

15 SOME DUAL INTEGRAL EQUATIONS, SIAM J. APPL. MATH.
16(1968), 1338-1340, MR:38-6322 <67.8>

ERDELYI, A., PAPAS, C.H.
1 ON DIFFRACTION BY A STRIP, PROC. NAT. ACAD. SCI.,
128-132, MR:16-773 <43.5, 53.2, 96.2>

ERDELYI, A., SNEDDON, I.N.
1 FRACTIONAL INTEGRATION AND DUAL INTEGRAL EQUATIONS, CAN.
J. MATH. 14(1962), 685-693, MR:26-564 <67.5, 68.0>

ERDMANN, R.C.
1 NEUTRON TRANSPORT FROM A POINT SOURCE IN TWO ADJACENT,
DISSIMILAR, SEMI-INFINITE MEDIA, J. MATH. PHYS. 8(1967),
1040-1044 <83.3, 119.0>

ERDMANN, R.C., SIEWERT, C.E.
1 GREEN'S FUNCTIONS FOR THE ONE-SPEED TRANSPORT EQUATION
IN SPHERICAL GEOMETRY, J. MATH. PHYS. 9(1968), 81-89
<83.3, 119.8>

ERDOGAN, F.
1 APPROXIMATE SOLUTION OF SYSTEMS OF SINGULAR INTEGRAL
EQUATIONS, SIAM J. APPL. MATH. 17(1969), 1041-1059,
MR:41-5909 <78.0>

2 SIMULTANEOUS DUAL INTEGRAL EQUATIONS WITH TRIGONOMETRIC
AND BESSEL KERNELS, Z. ANGEW. MATH. MECH. 48(1968),
217-225, MR:38-1486 <67.1, 67.5>

ERDOGAN, F., BAHAR, L.Y.
1 ON THE SOLUTION OF SIMULTANEOUS DUAL INTEGRAL EQUATIONS,
J. SOC. INDUST. APPL. MATH. 12(1964), 666-675,
MR:30-5135 <67.5>

EUBANKS, R.A.   (SEE - STERNBERG, E.)
EVANS, G.C.
   1   ON THE REDUCTION OF INTEGRO-DIFFERENTIAL EQUATIONS,
         AMER. MATH. SOC. 15(1914), 477-496 <17.0>
   2   FUNCTIONALS AND THEIR APPLICATIONS. SELECTED TOPICS,
         INCLUDING INTEGRAL EQUATIONS, AMER. MATH. SOC.
         COLLOQUIUM LECTURES, 1916, REPRINTED, DOVER, 1964,
         MR:31-312 <02.0, 90.0>
   3   THE LOGARITHMIC POTENTIAL, DISCONTINUOUS DIRICHLET AND
         NEUMANN PROBLEMS, AMER. MATH. SOC. COLLOQUIUM
         PUBLICATIONS, 6(1927) <90.0>
   4   THE INTEGRAL EQUATIONS OF THE SECOND KIND OF VOLTERRA
         WITH SINGULAR KERNEL, BULL. AMER. MATH. SOC. 2 (1909) 16
         <10.0>
   5   VOLTERRA'S INTEGRAL EQUATION OF THE SECOND KIND WITH
         DISCONTINUOUS KERNEL, BULL. AMER. MATH. SOC. 2 (1909) 12
         <10.0>
   6   COMPLEMENTS OF POTENTIAL THEORY, AMER. J. MATH. 54(1932),
         213-234, (SEE ALSO- 57(1935), 623-626 <90.0>
EVANS, G.C., MILES, E.R.C.
   1   POTENTIALS OF GENERAL MASSES IN SINGLE AND DOUBLE
         LAYERS. THE RELATIVE BOUNDARY VALUE PROBLEMS, AMER. J.
         MATH. (1931), 493-516 <90.0>
EVANS, G.W., ISAACSON, E., MACDONALD, J.K.L.
   1   STEFAN-LIKE PROBLEMS, QUART. APPL. MATH. 8(1950),
         312-319, MR:12-263 <120.5>
EVGRAFOV, M.A.
   1   ASYMPTOTIC PROPERTIES OF THE RESOLVENT OF AN INTEGRAL
         EQUATION WITH A KERNEL DEPENDING ONLY ON THE DIFFERENCE
         OF VARIABLES, DOKL. AKAD. NAUK SSSR 168(1966), 262-265,
         SOVIET MATH. DOKL. 7(1966), 615-619, MR:33-4622 <21.8,
         81.0>
EVVARD, J.C.
   1   USE OF SOURCE DISTRIBUTIONS FOR EVALUATING THEORETICAL
         AERODYNAMICS OF THIN FINITE WINGS AT SUPERSONIC SPEEDS,
         TECH. REP. NAT. ADV. COMM. AERONAUT. (1950) NO. 951,
         MR:-454 <108.0, 123.2>
FADDEEV, L.D.
   1   MATHEMATICAL ASPECTS OF THE THREE-BODY PROBLEM IN THE
         QUANTUM SCATTERING THEORY, ACAD. SCI. U. S. S. R.,
         STEKLOV MATH. INST., 69(1963), ISRAEL PROGRAM FOR SCI.
         TRANSL. (1965) <116.0>
FALKNER, V.M.
   1   THE SOLUTION OF LIFTING PLANE PROBLEMS BY VORTEX-LATTICE
         THEORY, REP. AND MEM., AERO RES. COUNCIL, NO. 2591
         (1953), MR:14-1028 <108.6>
FALKOVICH, S.V.
   1   LIFT FORCE OF A WING OF FINITE SPAN, APPL. MATH. MECH.
         (AKAD. NAUK SSSR PRIKL. MAT. MECH.) 11(1947), 171-176,
         MR:9-543 <108.8>

FANTAPPIE, L.
    1 CALCOLO ESTTO DEGLI AUTOVALORI E DELLE AUTOFUNZIONI DI
         UN NUCLEO 'VARIATO,' PER UNA VARIAZIONE DI TIPO
         ELEMENTARE, ATTI ACCAD. NAZ. LINCEI. REND. CL. SCI. FIS.
         MAT. NAT. (8), 10, (1951), 458-462, MR:15-533 <21.8,
         54.0>
FAN VAN HAP
    1 ON A METHOD OF APPROXIMATE SOLUTION OF SINGULAR INTEGRAL
         EQUATIONS, Z.VYCISL. MAT. I MAT. FIZ. 5(1965), 171-184,
         TRANSL. USSR COMP. MATH. PHYS., 1-20, MR:33-4623 <46.0,
         50.0>
FARRELL, U.A.   (SEE - PHILIP, J.)
FARZAN, B.H.   (SEE - SKVORTSOV, E.V.)
FAULKNER, T.R.
    1 THE DIFFRACTION OF AN OBLIQUELY INCIDENT SURFACE WAVE BY
         A VERTICAL BARRIER OF FINITE DEPTH, PROC. CAMB. PHIL.
         SOC. 62(1966), 829-838 <112.5>
    2 THE DIFFRACTION OF AN OBLIQUELY INCIDENT SURFACE WAVE BY
         A SUBMERGED PLANE BARRIER, Z. ANGEW. MATH. PHYS.
         17(1966), 699-707, AMR:20-7339 <71.0, 112.5>
FEDERIGHT, F.D.   (SEE - CALAME, G.P.)
FEINDT, E.-G.
    1 BEITRAG ZU DEN GRUNDLAGEN DES SINGULARTATENVERFAHRENS
         DER STROMUNGSMECHANIK, Z. FLUGWISS 10(1962), 446-456
         <90.3>
FEL'D, YA.N.
    1 ON INFINITE SYSTEMS OF LINEAR ALGEBRAIC EQUATIONS
         CONNECTED WITH PROBLEMS ON SEMI-INFINITE PERIODIC
         STRUCTURES, DOKL. AKAD. NAUK SSSR (N. S.) 102(1955),
         257-260, MR:17-45 <35.7>
    2 PAIRED SYSTEMS OF INFINITE LINEAR ALGEBRAIC EQUATIONS,
         LINKED WITH INFINITE PERIODIC STRUCTURES, DOKL. AKAD.
         NAUK SSSR(N. S.) 106(1956), 215-218, MR:17-1094 <35.7>
FEL'D, YA.N., SUHAREVSKII, I.V.
    1 REDUCTION OF PROBLEMS OF DIFFRACTION ON NON-CLOSED
         SURFACES TO INTEGRAL EQUATIONS OF THE SECOND KIND,
         RADIOTEHN. I ELEKTRON. 11(1966), 1159-1168, MR:33-5226
         <101.0>
FEL'DMAN, I.A.   (SEE ALSO - GOHBERG, I.C.)
    1 THE ASYMPTOTICS OF SOLUTIONS OF SYSTEMS OF INTEGRAL
         EQUATIONS OF WIENER-HOPF TYPE, SIBIRSK. MAT. Z. 6(1965),
         596-615, MR:31-3808 <70.0>
    2 ON THE ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF CERTAIN
         SYSTEMS OF INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR
         154(1964), 57-60, MR:28-443 <70.0>
FELDSTEIN, A.   (SEE - MILLER, R.K.)
FELLER, W.
    1 ON PROBABILITY PROBLEMS IN THE THEORY OF COUNTERS,
         COURANT ANNIVERSARY VOLUME, 105-115, INTERSCIENCE (1948),
         MR:9-294 <12.0, 122.0>
    2 ON THE INTEGRAL EQUATION OF RENEWAL THEORY, ANN. MATH.
         STATISTICS 12(1941), 243-267, MR:3-151 <12.0, 121.0>

3 ON THE INTEGRODIFFERENTIAL EQUATIONS OF PURELY
DISCONTINUOUS MARKOV PROCESSES, TRANS. AMER. MATH. SOC.
48(1940), 488-515, MR:2-101 <17.0, 122.0>
FENG, B.-G.   (SEE - WANG, S.-W.)
FENG, T.N., HIGGINS, T.J.
1 DETERMINATION BY SUBAREAS OF THE PARAMETERS OF
BROAD-BAND LINES COMPRISED OF STRIP, RECTANGULAR-TUBULAR,
OR CIRCULAR-TUBULAR CONDUCTORS, ARCH. ELEKTROTECHNIKI,
11(1962), 3-24 <53.1, 90.2>
FENYES, T.
1 ON THE OPERATIONAL SOLUTION OF CERTAIN NONLINEAR
SINGULAR INTEGRAL EQUATIONS, STUDIA SCI. MATH. HUNGAR.
4(1969), 69-91, MR:40-3227 <64.0>
FENYO, I.
1 REMARKS ON THE THEORY OF AN INTEGRAL EQUATION OF
MATHEMATICAL PHYSICS (HUNGARIAN), MAT. LAPOK 5 (1954),
115-119, MR:16-931 <54.0, 77.7>
2 A METHOD FOR SOLUTION OF LINEAR NONHOMOGENEOUS INTEGRAL
EQUATIONS (HUNGARIAN), C. P. I. CONGR. MATH. HONGR.
(1952), 689-691, MR:14-1092 <49.1>
3 SUR UNE CLASSE D'EQUATIONS INTEGRALES SINGULIERES, PUBL.
INST. MATH. APPL. ACAD. SCI. HONGR. 1(1952), 345-352,
MR:15-435
4 UBER DIE LOSUNG DER IN BANACHSCHEN RAUM DEFINIERTEN
NICHTLINEAREN GLEICHUNGEN, ACTA MATH. ACAD. SCI. HUNGAR.
5(1954), 85-93, MR:15-964 <49.8>
5 UBER EINE KLASSE VON INTEGRALGLEICHUNGEN, PUBL. MATH.
DEBRECEN 2(1952), 248-251, MR:14-761 <54.0, 77.7>
FENYO, S.
1 BEITRAG ZUR THEORIE DER LINEAREN PARTIELLEN
INTEGRALGLEICHUNGEN, PUBL. MATH. DEBRECEN 4(1955),
98-103, MR:16-1120 <22.0>
2 UBER DIE 'POLYNOM-KERNE' DER LINEAREN
INTEGRALGLEICHUNGEN, MATH. Z. 48(1943), 772-780, MR:5-70
<22.0>
FERAUD, L.
1 LE RENOUVELLEMENT, QUELQUES PROBLEMES CONNEXES ET LES
EQUATIONS INTEGRALES DU CYCLE FERME, MITT. VEREIN.
SCHWEIZ. VERSICH. - MATH. 41(1941), 81-93, MR:3-11
FERGUSON, H., GUDERLEY, K.G.
1 EXTENSION OF EVVARD'S METHOD TO OSCILLATORY SUPERSONIC
FLOW, Z. FLUGWISS. 8(1960) 76-86, MR:22-427 <108.8,
123.2>
FERZIGER, J.   (SEE - LEONARD, A.)
FETTIS, H.E.
1 ON THE NUMERICAL SOLUTION OF EQUATIONS OF THE ABEL TYPE,
MATH. COMP. 18(1964), 491-496, MR:30-2596 <16.0>
FICHERA, G.
1 SU UN METODO DEL PICONE PER IL CALCOLO DEGLI AUTOVALORI
DELLE AUTOSOLUZIONI, ANN. MAT. PURA APPL. (4), 40(1955),
239-259, MR:17-770 <54.0, 89.0>

2   LINEAR ELLIPTIC EQUATIONS OF HIGHER ORDER IN TWO
INDEPENDENT VARIABLES AND SINGULAR INTEGRAL EQUATIONS,
WITH APPLICATIONS TO ANISOTROPIC INHOMOGENEOUS
ELASTICITY, IN 'PARTIAL DIFFERENTIAL EQUATIONS AND
CONTINUUM MECHANICS', 55-80. UNIV. OF WIS. PRESS,
MADISON, WIS., 1961, MR:27-6016 <104.0>

3   TEOREMI DI COMPLETEZZA SULLA FRONTIERA DI UN DOMINIO PER
TALUNI SISTEMI DI FUNZIONI, ANN. DI. MATH. SERIE IV,
27(1948), 1-28, MR:10-534   <90.0>

FICHTENHOLZ, G., KANTOROVIC, L.V.
1   SUR LES OPERATIONS LINEAIRES DANS L'ESPACE DES FONCTIONS
BORNEES, STUDIA MATH. 5(1934), 69-98   <34.0>

FILATOV, A.N., TALIPOVA, L.I.
1   A CERTAIN VERSION OF AVERAGING INTEGRO-DIFFERENTIAL
EQUATIONS, DOKL. AKAD. NAUK SSSR 192(1970), 750-752,
MR:41-8952   <17.0>

2   ON A VARIANT OF AVERAGING METHOD FOR SYSTEMS OF
INTEGRO-DIFFERENTIAL EQUATIONS, DIFFERENCIAL'NYE
URAVNENIJA 5(1969), 958-961, MR:40-1743   <17.0>

FILLER, F.M.
1   NUMERICAL SOLUTION OF FREDHOLM'S INTEGRAL EQUATIONS OF
THE SECOND KIND, DOKL. AKAD. NANK. SSSR 160(1965),
555-557, TRANSL. SOV. MATH., 160-162 <42.0>

FINKELSZTEJN, L., MIKUSINSKI, J.G., R"LL-NARDZEWSKI, C.
1   SUR UNE EQUATION INTEGRO-DIFFERENTIELLE, COLLOQIUM MATH.
2(1951), 179-181 (1952), MR:14-54   <12.0,   64.0>

FINLAYSON, B.A.
1   UPPER AND LOWER BOUNDS FOR SOLUTIONS TO THE TRANSPORT
EQUATION, J. AMER. INST. CHEM. ENG. 12(1966), 1151-1157
<45.8, 119.0>

FINNILA, R., SLOSS, J.M.
1   EXISTENCE AND UNIQUENESS THEOREMS FOR A CLASS OF
NONLINEAR SINGULAR INTEGRAL EQUATIONS WITH APPLICATION
TO A HYDROELASTIC PROBLEM, J. MATH. MECH. 16(1966),
509-534, MR:35-684   <28.3>

FISCHER, M.
1   DIE EXAKTE BESTIMMUNG DER ELEKTRONENDICHTEVERTEILUNG IN
EINEM ENDLICHEN, ANISOTROPEN PLASMA, ANN. PHYSI', (7),
17(1966), 7-32, MR:34-1023 <125.0>

FITHIAM, J.H.
1   AN INVESTIGATION OF A CERTAIN SINGULAR INTEGRAL EQUATION
AND ITS SOLUTION BY AN APPROXIMATION METHOD, N.Y.U.
THESIS, 1963 <50.0>

FLAX, A.H.
1   ON A VARIATIONAL PRINCIPLE IN LIFTING-LINE THEORY, J.
AERONAUT. SCI. 17(1950), 596-597, MR:12-369   <48.5,
108.0>

FLEMING, W.H.
1   A PROBLEM OF RANDOM ACCELERATIONS, M. R. C. TECH. REPT.
NO. 403 (1963) <79.5>

FLINN, E.A.
1   A MODIFICATION OF FILON'S METHOD FOR NUMERICAL
INTEGRATION, J. ACM 7 (1960) 181-184, MR:22-5122 <41.0>

FLITMAN, L.M.
   1   ON A MIXED BOUNDARY VALUE PROBLEM FOR THE WAVE EQUATION,
         P. M. M. 22(1958), 829-832, TRANSL. J. APPL. MATH.
         MECH. 1185-1191, MR:21-7351 <96.8>
   2   WAVES CAUSED BY A SUDDEN CRACK IN A CONTINUOUS ELASTIC
         MEDIUM, J. APPL. MATH. MECH. 27(1963), 938-953 <105.8>
FLUGGE-LOTZ, I.
   1   MATHEMATICAL IMPROVEMENT OF METHOD FOR COMPUTING POISSON
         INTEGRALS INVOLVED IN DETERMINATION OF VELOCITY
         DISTRIBUTION ON AIRFOILS, N. A. C. A. TECH. NOTE. NO.
         2451 <41.0>
FOCK, V.A.
   1   A THEORETICAL INVESTIGATION OF THE ACOUSTICAL
         CONDUCTIVITY OF A CIRCULAR APERTURE IN A WALL PUT ACROSS
         A TUBE, C. R. (DOKLADY) ACAD. SCI. URSS (N. S.) 31(1941),
         875-878, MR:3-222 <99.0>
   2   ELECTROMAGNETIC DIFFRACTION AND PROPAGATION PROBLEMS,
         PERGAMON PRESS, 1965, MR:34-5396 <95.0, 101.0>
   3   UBER EINE KLASSE VON INTEGRALGLEICHUNGEN, MATH. ZEITS.
         21(1924), 161-173 <12.0>
   4   SUR CERTAINES EQUATIONS INTEGRALES DE PHYSIQUE
         MATHEMATIQUE, C. R. (DOKLADY) ACAD. SCI. URSS (N. S.)
         36(1942), 133-136, MR:5-70 <70.0>
   5   SUR CERTAINES EQUATIONS INTEGRALES DE PHYSIQUE
         MATHEMATIQUE, REC. MATH. (MAT. SBORNIK) N. S. 14(56)
         (1944), 3-50, MR:6-272 <70.0>
FOIJAS, C.
   1   SOME INTEGRAL EQUATIONS WITH SINGULAR KERNEL (RUSSIAN),
         REV. MATH. PURES APPL. 5(1960), 723-727, MR:24-A996
         <42.0>
FONG, T.S.
   1   ON THE PROBLEM OF OPTIMUM ANTENNA APERTURE DISTRIBUTION,
         J. FRANKLIN INST. 283(1967), 235-249, MR:35-1272 <56.0,
         102.0>
FORD, W.T.
   1   MATHEMATICAL PROGRAMMING AND INTEGRO-DIFFERENTIAL
         EQUATIONS, SIAM J. NUM. ANAL. 2(1965), 171-202,
         MR:34-6473 <17.0>
   2   MATHEMATICAL PROGRAMMING AND INTEGRO-DIFFERENTIAL
         EQUATIONS. II. VARIABLE COEFFICIENTS, SIAM J. NUMER.
         ANAL. 3(1966), 383-363, MR:34-6474 <17.0>
FOREMAN, A.J.E.   (SEE - JASWON, M.A.)
FORSYTHE, G.E.
   1   SINGULARITY AND NEAR SINGULARITY IN NUMERICAL ANALYSIS,
         AMER. MATH. MONTH. 65(1958), 229-240, MR:20-3624 <41.0>
FOSTER, M.
   1   AN APPLICATION OF THE WIENER-KOLMOGOROV SMOOTHING THEORY
         TO MATRIX INVERSION, J. SOC. INDUST. APPL. MATH. 9(1961),
         387-392, MR:26-3178 <56.0>
FOWLER, R.G.   (SEE - LAPORTE, O.)

FOX, C.
  1 A FORMAL SOLUTION OF CERTAIN DUAL INTEGRAL EQUATIONS,
       TRANS. AMER. MATH. SOC. 119, (1965), 389-398,
       MR:31-5047 <67.8, 68.0>
  2 A SOLUTION OF CHANDRASEKHAR'S INTEGRAL EQUATION, TRANS.
       AMER. MATH. SOC. 99(1961), 285-291, MR:23-A1221 <73.0,
       119.5>
  3 AN INVERSION FORMULA FOR A BESSEL FUNCTION KERNEL, PROC.
       CAMB. PHIL. SOC. 61(1965), 457-467, MR:31-3802 <62.0,
       68.0>
  4 THE SOLUTION OF AN INTEGRAL EQUATION. CANAD. J. MATH.
       16(1964), 578-586, MR:29-1509 <65.0>
FOX, L.   (SEE ALSO - BAKER, C.T.H.)
  1 ROMBERG INTEGRATION FOR A CLASS OF SINGULAR INTEGRALS,
       COMP. J. (19), 87-93 <41.0>
FOX, L., GOODWIN, E.T.
  1 THE NUMERICAL SOLUTION OF NONSINGULAR LINEAR INTEGRAL
       EQUATIONS, PHIL. TRANS. ROY. SOC. A 245(1953), 501-534,
       MR:14-908 <05.0, 40.1>
FRANCKX, E.   (SEE - BRUWIER, L.)
FRANKLIN, A.   (SEE - CHANDRASEKHAR, S.)
FRANKLIN, J.   (SEE - BALBINE, G.)
FRECHET, M.   (SEE - HEYWOOD, P.)
FREDHOLM, I.
  1 SUR UNE CLASSE D'EQUATIONS FUNCTIONELLES, ACTA. MATH.
       27(1903), 365-390 <07.0, 21.0>
  2 SUR UNE NOUVELLE METHODE POUR LE RESOLUTION DE PROBLEME
       DE DIRICHLET, KONG. VETENSKAPS-AKADEMIENS FORH.
       STOCKHOLM (1900) 39-46
  3 SUR UNE NOUVELLE METHODE POUR LA RESOLUTION DE DU
       PROBLEME DE DIRICHLET, OFVERS. AF. KGL. VETENSK. AK.
       FOCK. STOCKH. 57 (1900) 39-46
  4 SUR UNE NOUVELLE METHODE POUR LA RESOLUTION DE PROBLEME
       DE DIRICHLET, OFVERSIGT AF KONGL. VETENSKAPS-AKADEMIENS
       FORHANDLINGAR 57(1900), 39-46 <90.2>
  5 LES EQUATIONS INTEGRALES LINEAIRES, C. R. DU CONGR. DE
       STOCKHOLM (1910), 92-100 <21.0>
FREDRICKS, R.W.
  1 SOLUTION OF A PAIR OF INTEGRAL EQUATIONS FROM
       ELASTOSTATICS, PROC. NAT. ACAD. SCI. (U. S. A.) 44(1958),
       309-312, MR:21-4611 <67.1, 103.1>
FREEMAN, N.J.   (SEE - KEER, L.M.)
FREUND, L.B., ACHENBACH, J.D.
  1 DIFFRACTION OF A PLANE PULSE BY A CLOSED CRACK AT THE
       INTERFACE OF ELASTIC SOLIDS, Z. A. M. M. 48(1968),
       173-185, MR:22-7787 <71.0, 105.8>
FRIBERG, M.S.
  1 A NEW METHOD FOR THE EFFECTIVE DETERMINATION OF
       CONFORMAL MAPS, UNIV. OF MINN. THESIS (1951) <107.0>

FRIDMAN, V.M.
    1 METHOD OF SUCCESSIVE APPROXIMATIONS FOR A FREDHOLM
        INTEGRAL EQUATION OF THE FIRST KIND. USPEHI. MAT. NAUK
        (N. S.) 11(1956), NO. 1 (67), 233-234; MR:17-861 <56.0>
FRIED, B.D.   (SEE - CULLER, G.J.)
FRIEDMAN, A.
    1 ON INTEGRAL EQUATIONS OF VOLTERRA TYPE. J. ANALYSE MATH.
        11(1963), 381-413, MR:28-1458 <12.5>
    2 PERIODIC BEHAVIOR OF SOLUTIONS OF VOLTERRA INTEGRAL
        EQUATIONS. J. D'ANALYSE MATH. 15(1965), 287-303,
        MR:32-4490 <12.5>
FRIEDMAN, A., SHINBROT, M.
    1 VOLTERRA INTEGRAL EQUATIONS IN BANACH SPACE. TRANS.
        AMER. MATH. SOC. 126(1967), 131-179, MR:34-6571 <12.5>
FRIEDRICH, J.
    1 BEMERKUNG ZUR ABELSCHEN INTEGRALGLEICHUNG. Z. ANGEW.
        MATH. PHYS. 11(1960), 191-197, MR:22-9824 <64.5>
FRIEDRICHS, K.O., HYERS, D.H.
    1 THE EXISTENCE OF SOLITARY WAVES. COMM. PURE. APPL. MATH.
        7(1954), 517-550, MR:16-413 <28.0>
FROHLICH, R.
    1 NUMERISCHE LOSUNG DER NEUTRONEN-TRANSPORTGLEICHUNG. Z.
        ANGEW. MATH. MECH. 43(1963), SUPPL., T12-T14, MR:32-4872
        <53.6, 119.0>
FU, W.S.   (SEE - KEER, L.M.)
FUBINI, S.
    1 NON-LINEAR INTEGRAL EQUATION IN FIELD THEORY. NUOVO
        CIMENTO (10) 2(1955), 180-182, MR:18-135 <116.8>
FUCHS, K.
    1 PERTURBATION THEORY IN NEUTRON MULTIPLICATION PROBLEMS.
        PROC. PHYS. SOC. SECT. A. 62, (1949), 791-799, MR:11-523
        <49.0, 119.0>
FUCHS, W.H.J.
    1 ON THE EIGENVALUES OF AN INTEGRAL EQUATION ARISING IN
        THE THEORY OF BAND-LIMITED SIGNALS. J. MATH. ANAL. APPL.
        9(1964), 317-330, MR:30-4128 <77.7, 82.0, 125.0>
FUJITA, S.
    1 BOLTZMANN EQUATION APPROACH TO TRANSPORT PHENOMENA.
        REPT. NO. TR-9, OCT., 1966, DEPT. OF PHYS., <119.2>
FULLER, F.B.   (SEE - LOMAX, H.)
FYMAT, A.L., ABHYANKAR, K.D.
    1 A NOVEL TYPE OF MATRIX MULTIDIMENSIONAL SINGULAR LINEAR
        INTEGRAL EQUATION. J. MATH. MECH. 19(1969/70), 587-600,
        MR:40-7748 <119.0>
GABDULHAEV, B.G.
    1 APPROXIMATE SOLUTION OF SINGULAR INTEGRAL EQUATIONS BY
        THE METHOD OF MECHANICAL QUADRATURES. DOKL. AKAD. NAUK
        SSSR 179(1968), 260-263, TRANSL. SOVIET MATH. DOKL.
        9(1968), 329-332, MR:37-4983 <50.0>

2 ON A DIRECT METHOD OF SOLUTION OF INTEGRAL EQUATIONS,
IZV. VYSS. UCEBN. ZAVED. MATEMATIKA 3(1965) 51-60.
TRANSL. AMER. MATH. SOC. TRANSL. (2) 91 (1970), 213-224,
ALSO M. R. C. TECH. REPT. NO. 669, 1966, MR:32-8529
<50.0>
3 A DIRECT METHOD FOR SOLVING INTEGRAL EQUATIONS, IZU.
VYSS. UCEBN. ZAVED. MAT. 46(1965), 51-60, TRANSL. AMER.
MATH. SOC. 91(1970), 213-224, MR:32-8529 <50.0>

GABRIEL, G.J., BRODWIN, M.E.
1 THE SOLUTION OF GUIDED WAVES IN INHOMOGENEOUS
ANISOTROPIC MEDIA BY PERTURBATION AND VARIATIONAL
METHODS, I. E. E. E. TRANS. MTT-13(1965), 364-370 <48.5,
99.0>

GAGAEV, B.M.
1 EXISTENCE THEOREMS FOR SOLUTIONS OF INTEGRODIFFERENTIAL
EQUATIONS, UCEN. ZAP. KAZAN UNIV. 115(1955), NO. 14,
21-28, TRANSL. AMER. MATH. SOC. TRANSL. (2), 10(1958),
311-318, MR:20-1186,MR:18-301

GAGUA, M.B.
1 ON THE APPROXIMATE SOLUTION OF LINEAR EQUATIONS, TRUDY
VYCISL. CENTRA AKAD. NAUK GRUZIN SSSR 3(1963), 27-47,
TRANSL. M. R. C. TECH. REPT. NO. 759, JULY 1967, <46.0,
50.0>

GAIER, D.
1 PROBLEMS UND METHODEN DER KONSTRUKTIVEN KONFORMEN
ABBILDUNG, JBER. DEUTSCH. MATH. - VEREIN 67(1964/65),
118-132, M. R. 32-2568 <107.0>
1 KONSTRUKTIVE METHODEN DER KONFORMEN ABBILDUNG, BERLIN,
SPRINGER (1964) <107.0>

GAKHOV, F.D.
1 BOUNDARY VALUE PROBLEMS, PERGAMON PRESS (1966), TRANSL.
OF BOUNDARY-VALUE PROBLEMS, MOSCOW (1963), MR:21-2879,
MR:27-6094,MR:33-6311 <73.0>
2 ON NEW TYPES OF INTEGRAL EQUATIONS, SOLVABLE IN CLOSED
FORM, IN PROBLEMS OF CONTINUUM MECHANICS (MUSKHELISHVILI
ANNIVERSARY VOLUME) (1961), 118-132, SIAM, PHILADELPHIA,
PA., MR:23-A2014 <73.0>
3 CONTEMPORARY PROBLEMS OF THE THEORY OF BOUNDARY VALUE
PROBLEMS FOR ANALYTIC FUNCTIONS AND SINGULAR INTEGRAL
EQUATIONS, DIFFERENCIAL'NYE URAVNENIJA 1(1965), 786-798,
TRANSL. DIFF. EQNS. 604-612, MR:33-1467 <73.0>

GAKHOV, F.D., CERSKII, JU.I.
1 INTEGRAL EQUATIONS OF CONVOLUTION TYPE, DOKL. AKAD. NAUK
SSSR(N.S.) 99(1954), 197-199, MR:16-595 <65.0>
2 SINGULAR INTEGRAL EQUATIONS OF CONVOLUTION TYPE, IZV.
AKAD. NAUK SSSR. SER. MAT. 20(1956), 33-52, MR:18-134
<67.8, 70.0, 72.5>

GAKHOV, F.D., CIBRIKOVA, L.I.
1 ON SOME TYPES OF SINGULAR INTEGRAL EQUATIONS SOLVABLE IN
CLOSED FORM, MAT. SB. N. S. 35(77), (1954), 395-436,
MR:16-831 <73.0>

GAKHOV, F.D., SMAGINA, V.I.
    1   EXCEPTIONAL CASES OF INTEGRAL EQUATIONS OF THE
        CONVOLUTION TYPE AND EQUATIONS OF THE FIRST KIND, DOKL.
        AKAD. NAUK SSSR 136(1961), 1277-1280, TRANSL. SOVIET
        MATH. DOKL. 2(1961), 184-187, MR:24-A989 <74.5, 76.0>
GALEJS, J.
    1   ADMITTANCE OF A RECTANGULAR SLOT WHICH IS BACKED BY A
        RECTANGULAR CAVITY, IEEE TRANS. ON ANT. AND PROPAG.
        (1963), 119-126 <48.5, 99.0>
GALFAIAN, P.O., CHOBANIAN, K.S.
    1   SOLUTION OF THE CONTACT PROBLEM FOR AN ELASTIC RECTANGLE,
        PMM 30(1966) 569-575, TRANSL. J. APPL. MATH. MECH.
        30(1967), 676-684, AMR:21-1618 <35.0, 103.9>
GALIN, L.A.
    1   THE INDENTATION OF A PUNCH TAKING INTO ACCOUNT FRICTION
        AND ADHESION, P. M. M. 9(1945), 413-424 <103.3>
GALLONE, S., GHILARDOTTI, G.
    1   ON THE USE OF CASE'S GENERAL SOLUTION OF THE TRANSPORT
        EQUATION IN NEUTRON TRANSPORT PROBLEMS, NUOVO CIMENTO
        (10) 31 (1964), 203-218, MR:28-4902 <119.8>
GANI, J., PRABHU, N.U.
    1   A STORAGE MODEL WITH CONTINUOUS INFINITELY DIVISIBLE
        INPUTS, PROC. CAMB. PHIL. SOC. 59 (1963) 417-429,
        MR:26-4425 <122.0>
GANTMACHER, F.R., KREIN, M.G.
    1   ON A SPECIAL CLASS OF DETERMINANTS CONNECTED WITH
        KELLOG'S INTEGRAL KERNELS, MAT. SB. 42(1935), 501-507,
        TRANSL. REDSTONE SCIENTIFIC INFORM. CENTER, REDSTONE
        ARSENAL, REPT. NO. RSIC-443, AUG.(1965) <21.2>
    2   OSCILLATION MATRICES AND KERNELS AND SMALL OSCILLATIONS
        OF MECHANICAL SYSTEMS, MOSCOW, 1950, MR:14-178 <22.0>
GARABEDIAN, P.R.
    1   AN INTEGRAL EQUATION GOVERNING ELECTROMAGNETIC WAVES,
        QUART. APPL. MATH. 12(1955), 428-433, MR:16-428 <95.0,
        101.0>
    2   PARTIAL DIFFERENTIAL EQUATIONS, WILEY, 1964, MR:28-5247
        <02.0>
GARBE, E.
    1   ZUR THEORIE DER INTEGRALGLEICHUNG DRITTER ART, MATH.
        ANN. 76 (1915) 527-547 <22.0>
GARDNER, C.S.   (SEE - AUER, P.L.)
GARDNER, C.S., KELLER, J.B.
    1   THE FIELD OF A PULSED DIPOLE IN AN INTERFACE, COMM. PURE
        APPL. MATH. 15(1962), 99-108 <101.0, 123.2>
GARRICK, I.E.   (SEE ALSO - THEODORSEN, T.)
    1   CONFORMAL MAPPING IN AERODYNAMICS, WITH EMPHASIS ON THE
        METHOD OF SUCCESSIVE CONJUGATES, NAT. BUR. STAND.,
        APPLIED MATH. SERIES 18(1952), 137-147, MR:14-909 <50.0,
        107.0, 108.0>
GARWICK, J.V.
    1   ON THE NUMERICAL SOLUTION OF INTEGRAL EQUATIONS, 11TH
        SKAND. MAT.-KONGR. TRONDHEIM 1949. (1952), 113-121,
        MR:14-908 <43.0>

GAST, P.F.
1 A VARIATIONAL PRINCIPLE FOR HETEROGENEOUS RESONANCE
   CAPTURE AS A BASIS FOR APPROXIMATION METHODS, NUCL. SCI.
   ENG. 19(1964), 196-202 <48.5, 116.3>
GAUTESEN, A.R.
1 POSITIVITY OF SOLUTIONS TO INTEGRAL EQUATIONS WITH
   LOGARITHMIC KERNELS, INDIANA UNIV. MATH. J. 19(1970)
   <22.0, 77.0>
GAVER, D.P.
1 OBSERVING STOCHASTIC PROCESSES AND APPROXIMATE TRANSFORM
   INVERSION, OPER. RES. 14(1966), 444-459 <63.0>
GAVURIN, M.K.
1 THE METHOD OF FALSE PETURBATIONS FOR FINDING EIGENVALUES,
   Z. VYCISL. MAT. I MAT. FIZ. 1(1961), 757-770, TRANSL.
   U. S. S. R. COMP. MATH. AND MATH. PHYS. 911-925,
   MR:24-B1758 <54.0>
2 APPROXIMATE DETERMINATION OF PROPER VALUES AND
   PERTURBATION THEORY, USPEHI MAT. NAUK 12(1957), NO. 1
   (73), 173-175, TRANSL. AMER. MATH. SOC. TRANSL., SERIES
   2, 16, 385-388, MR:19-756
3 ON ESTIMATES FOR EIGENVALUES AND VECTORS OF A PERTURBED
   OPERATOR, DOKL. AKAD. NAUK SSSR 96(1954), 1093-1095,
   MR:16-264 <54.0>
4 ON THE EXACTNESS OF APPROXIMATE METHODS OF FINDING
   EIGEN-VALUES OF INTEGRAL OPERATORS, DOKL. AKAD. NAUK.
   SSSR 97(1954), 13-15, MR:16-264 <54.0>
5 NONLINEAR FUNCTIONAL EQUATIONS AND CONTINUOUS ANALOGUES
   OF ITERATION METHODS, IZV. VYSS. UCEBN. ZAUED.
   MATEMATIKA 5(1958), 18-31, MR:25-1380 <49.0>
GAZIS, D.C.   (SEE - TU , Y.-O.)
GEAPHART, J.   (SEE - HEFFERLIN, R.)
GEGELIA, T.G.
1 COMPOSITION OF SINGULAR KERNELS, DOKL. AKAD. NAUK SSSR
   135 (1960) 767-770, TRANSL. SOVIET MATH. DOKL. 1 (1961)
   1299-1302, MR:27-4033 <25.0>
GELFOND, A.C.
1 ON ESTIMATION OF CERTAIN DETERMINANTS AND THE
   APPLICATION OF THESE ESTIMATIONS TO THE DISTRIBUTION OF
   EIGENVALUES, MAT. SB. (N. S.) 39(81)(1956), 3-22,
   TRANSL. AMER. MATH. SOC. (2)12, 163-179, MR:21-3739,
   MR:22-3955 <24.0, 54.0>
GELL-MANN, M., GOLDBERGER, M.L.
1 THE FORMAL THEORY OF SCATTERING, PHYS. REV. 91(1953),
   398-408 <116.6>
GENTLEMAN, W.M., SANDE, G.
1 FAST FOURIER TRANSFORMS, PROC. A. F. I. P. S. 1966 FALL
   JOINT COMP. CONFCE. 29(1966), 563-578 <63.1>
GERBERICH, C.L.
1 ON THE SOLUTION OF A FREDHOLM INTEGRAL EQUATION, OAK
   RIDGE NAT. LABS. ORNL-2241 1957 <45.8>

GERMAY, R.H.
    1   SUR L'EXISTENCE DES SOLUTIONE DE CERTAINES EQUATIONS
          INTEGRODIFFFRENTIELLES...., REVISTA MAT. HIST. - AMER.
          8(1933), 193-212   <17.0>
    2   SUR UNE EQUATION INTEGRALE GENERALISANT L'EQUATION DE
          PREMIERE ESPECE DE VOLTERRA. EXTENSION D'UN THEOREME DE
          LE ROUX, ANN. SOC. SCI. BRUXELLES. SER. I 68(1954)
          34-41, MR:16-46   <15.0>
    3   SUR DES EQUATIONS INTEGRO-DIFFERENTIELLES RECURRENTES DE
          FORME NORMALE, DONT LES TERMES INTEGRAUX CONTIENNENT LES
          DERIVEES DES FONCTIONS INCONNUES, ANN. SOC. SCI.
          BRUXELLES 67(1953), 177-185, 68(1954), 5-12, MR:15-630,
          MR:16-46   <17.0>
GERMOGENOVA, T.A.
    1   SOME PROPERTIES OF SOLUTIONS OF INTEGRAL EQUATIONS ON
          THE HALF-LINE WITH KERNEL DEPENDING ON THE DIFFERENCE OF
          THE ARGUMENTS, DOKL. AKAD. NAUK SSSR 126(1959), 251-254,
          MR:21-4341   <70.0>
    2   BOUNDED SOLUTIONS OF AN INHOMOGENEOUS INTEGRAL EQUATION
          GIVEN ON A SEMI-INFINITE INTERVAL AND HAVING ITS KERNEL
          DEPENDENT ON THE DIFFERENCE OF THE ARGUMENTS, DOKL.
          AKAD. NAUK. SSSR (N.S.), 115(1957), 23-26, MR:21-2894
          <70.0>
GERONIMUS, YA.L.
    1   ON SOME INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR (N.
          S.) 98(1954), 5-7, MR:16-372   <73.0, 90.0>
GHERMANESCO, M.
    1   EQUATIONS INTEGRALES AUX DEUX LIMITES VARIABLES, C. R.
          ACAD. SCI. PARIS 249(1959), 1606-1607, MR:21-7412   <14.6>
    2   EQUATIONS INTEGRALES AUX DEUX LIMITES VARIABLES, ANN.
          MAT. PURA APPL. (4) 54(1961), 33-56, MR:24-A2214   <14.6>
GHILARDOTTI, G.   (SEE - GALLONE, S.)
GHOSAL, A.
    1   EMPTINESS IN THE FINITE DAM, ANN. MATH. STAT. 31(1960),
          803-808, MR:22-8575 <122.0>
    2   PROBLEM OF EMPTINESS IN HOLDAWAY'S FINITE DAM, BULL.
          CALC. STAT. ASSOC. 9(1960), 111-115 <122.0>
GIESE, J.H.
    1   AN INTEGRAL EQUATION OCCURRING IN A PROBLEM OF
          SUBSIDENCE, SIAM REV. 5(1963), 1-6, MR:27-6099   <12.0,
          123.0>
GILBARG, D.
    1   FREE STREAMLINE THEORY, APPL. MECH. SURV. (1966), P.909
          <113.5>
    2   JETS AND CAVITIES, IN HANDBUCH DER PHYSIK, VOL. IX,
          FLUID DYNAMICS III, PP.311-445, SPRINGER-VERLAG (1960),
          MR:22-10416 <113.5>
GILBERT, R.P.
    1   THE CONSTRUCTION OF SOLUTIONS FOR BOUNDARY VALUE
          PROBLEMS BY FUNCTION THEORETIC METHODS, SIAM J. MATH.
          ANAL. 1(1970), 96-114   <74.9>

GILBERT, R.P., HOWARD, H.C.
  1 ON THE ROLE OF THE INTEGRAL OPERATOR METHOD IN THE
      THEORY OF POTENTIAL SCATTERING, UNIV. OF MARYLAND TECH.
      NOTE BN-412, 1965 <116.6>
  2 INTEGRAL OPERATOR METHODS FOR GENERALIZED AXIALLY
      SYMMETRIC POTENTIALS IN (NH) VARIABLES, J. AUSTRAL.
      MATH. SOC. 5(1965), 331-348, MR:33-2937 <74.2>
  3 ON SOLUTION OF THE GENERALIZED BI-AXIALLY SYMMMETRIC
      HELMHOLTZ EQUATION GENERATED BY INTEGRAL OPERATORS, J.
      REINE ANGEW. MATH. 218(1965), 109-120, MR:31-4992 <74.2>
GILBERT, R.P., SHIEH, S.Y.
  1 A NEW METHOD IN THE THEORY OF POTENTIAL SCATTERING, J.
      MATH. PHYS. 7(1966) 431-433, MR:33-1009 <116.6>
GILLESPIE, J.
  1 FINAL-STATE INTERACTIONS, HOLDEN-DAY (1964) <73.0,
      116.0>
GIRAUD, G.
  1 EQUATIONS DE FREDHOLM DONT LE NOYAU EST FONCTION
      HOLOMORPHE D'UN PARAMETRE, BULL. SCI. MATH. (2) 64(1940),
      225-244, MR:3-47 <24.5>
  2 EQUATIONS DE FREDHOLM DONT LE NOYAU EST FONCTION
      HOLOMORPHE D'UN PARAMETRE, BULL. SCI. MATH. (2) 65(1941),
      103-112, MR:7-122 <24.5>
  3 NOUVELLE METHODE POUR TRAITER CERTAINS PROBLEMES
      RELATIFS AUX EQUATIONS DU TYPE ELLIPTIQUE, J. MATH.
      PURES APPL. 18(1939), 111-143, MR:1-56 <90.9>
GLANTZ, H., REISSNER, E.
  1 ON FINITE SUM EQUATIONS FOR BOUNDARY VALUE PROBLEMS OF
      PARTIAL DIFFERENCE EQUATIONS, J. MATH. PHYS. 34(1956),
      286-297, MR:19-750 <59.0>
GLASKO, V.B.   (SEE - TIHONOV, A.N.)
GLAUERT, H.
  1 A THEORY FOR THIN AEROFOILS, REP. AND M. AERO RES.
      COUNCIL NO. 910 (1924) <50.0, 108.0>
  2 THE ELEMENT OF AIRFOIL AND AIRSCREW THEORY, 2ND ED.,
      CAMBRIDGE UNIVERSITY PRESS, 1959 <50.0, 108.0>
GLICKSBERG, I.   (SEE - BELLMAN, R.)
GODFREY, M.D.   (SEE - BINGHAM, C.)
GOHBERG, I.C.   (SEE - GOL'DENSTEIN, L.S.)
GOHBERG, I.C., FEL'DMAN, I.A.
  1 PROJECTION METHODS FOR SOLVING WIENER-HOPF EQUATIONS,
      AKAD. NAUK. MOLDAV. SSR, KISHINEV (1967), MR:37-1915
      <72.0>
  2 ON A METHOD OF REDUCTION FOR SYSTEMS OF EQUATIONS OF
      WIENER-HOPF TYPE, DOKL. AKAD. NAUK SSSR 165(1965),
      268-271,TRANSL. SOVIET NAUK. DOKL. 6(1965), 1433-1436,
      MR:32-8085 <72.0>
  3 INTEGRO-DIFFERENCE WIENER-HOPF EQUATIONS, ACTA SCI.
      MATH. (SZEGED) 30(1969), 199-224, M.R. 40-7880 <70.0>

GOHBERG, I.C., KREIN, M.
    1   TRANSFORMATIONS OF KERNELS OF INTEGRAL EQUATIONS AND
        THEIR INFLUENCE ON THE SPECTRA OF THESE EQUATIONS,
        UKRAIN. MAT. ZH. 13(1961), 12-38, TRANSL. IN AMER. MATH.
        SOC. TRANSL. (2) 35, 263-295, MR:27-1788
    2   SYSTEMS OF INTEGRAL EQUATIONS ON THE HALF-LINE WITH
        KERNELS DEPENDING ON THE DIFFERENCE OF THE ARGUMENTS,
        USPEHI MAT. NAUK (N. S.) 13(1958), NO. 2 (80), 3-72,
        TRANSL. AMER. MATH. SOC. TRANSL. (2), 14(1960), 217-287,
        MR:21-1506,MR:22-3954   <70.8>
    3   THEORY AND APPLICATION OF VOLTERRA OPERATORS IN HILBERT
        SPACE, IZDAT. 'NAUKA' MOSCOW (1967), TRANSL. AMER. MATH.
        SOC. (BOOK), (1970), MR:38-2007   <10.0, 72.1,   83.6>
GOLAB, S.
    1   SUR UN PROBLEME CONCERNANT LES APPROXIMATIONS
        SUCCESSIVES D'UNE INTEGRO-DIFFERENTIELLE, MATHEMATICA
        (CLUJ) 6(29) (1964), 47-50, MR:32-6178   <31.0>
    2   SUR UN TYPE D'EQUATIONS INTEGRO-DIFFERENTIELLES, COLLOQ.
        MATH. 18(1967), 111-117, MR:36-5641   <17.0>
GOLDBERGER, M.L.   (SEE - BLANKENBECLER, R.,   GELL-MANN, M.)
GOLDBERGER, M.L., WATSON, K.M.
    1   COLLISION THEORY, WILEY (1964), MR:29-3128   <02.0, 116.0,
        116.6>
GOLDENGERSHEL, E.I.
    1   THE SPECTRUM OF AN OPERATOR OF VOLTERRA TYPE ON A
        HALF-AXIS AND THE EXPONENTIAL GROWTH OF THE SOLUTIONS OF
        SYSTEMS OF VOLTERRA INTEGRAL EQUATIONS, MAT. SB.
        64(1964), 115-139   <10.0>
GOL'DENSTEIN, L.S., GOHBERG, I.C.
    1   ON A MULTIDIMENSIONAL INTEGRAL EQUATION ON A HALF-SPACE
        WHOSE KERNEL IS A FUNCTION OF THE DIFFERENCE OF THE
        ARGUMENTS, AND ON A DISCRETE ANALOGUE OF THIS EQUATION,
        DOKL. AKAD. NAUK SSSR 131(1960), 9-12, SOVIET MATH.
        DOKL. 1, 173-176, MR:22-8299   <35.7,   70.9>
GOLDFAIN, I.A.
    1   ON A CLASS OF LINEAR INTEGRAL EQUATIONS, UC. ZAP.
        MOSKOV. GOS. UNIV. 100, MATEMATIKA, TOM I(1946), 104-112,
        TRANSL. AMER. MATH. SOC. TRANSL. (2) 10, 283-290,
        MR:13-247,MR:20-1178
    2   SUR UN CAS PARTICULIER D'UNE EQUATION INTEGRALE LINEAIRE
        DE FREDHOLM A NOYAU NON SYMETRIQUE, REC. MATH. (MOSCOW)
        6(1939), 149-159, MR:1-146   <22.0>
GOLDSMITH, W.   (SEE - BANAUGH, R.P.)
GOLDSTEIN, S.
    1   LOW-DRAG AND SUCTION AIRFOILS, J. AERO SCI. 15(1948),
        189-214 (A THEORY OF AEROFOILS OF SMALL THICKNESS, PARTS
        1-6, CURRENT PAPERS AERO. RES. COUNCIL, LONDON, NOS.
        68-73, ISSUED (1956).)   <108.0>
    2   NOTE ON THE OPERATIONAL SOLUTION OF AN INTEGRAL EQUATION,
        J. LOND. MATH. SOC. 6(1931), 262-271
GOLDSTEIN, S., COHEN, E.R.
    1   THEORY OF RESONANCE ABSORPTION OF NEUTRONS, NUCL. SCI.
        ENG. 13(1962), 132 <119.0>

GOLDSTINE, H.H.   (SEE - BIRKHOFF, G.)
GOLIZDRA, G.YA.
    1   CORRELATION-TYPE NUMERICAL METHODS FOR THE ANALYTIC
        CONTINUATION OF TWO-DIMENSIONAL POTENTIAL FIELDS INTO A
        LOWER HALF-PLANE, IZV. AKAD. NAUK. SSSR FIZ. TVER.
        ZEMLI. 8(1965), 41-56, TRANSL. PHYS. OF THE SOLID EARTH,
        534-540, MR:20-763 <90.8>
GOLOMB, M.
    1   UBER SYSTEME VON NICHTLINEAREN INTEGRALGLEICHUNGEN,
        PUBL. MATH. UNIV. BELGRADE 5(1936), 52-83 <26.0>
    2   ZUR THEORIE DER NICHTLINEAREN INTEGRALGLEICHUNGEN, MATH.
        ZEITS. 39(1935), 45-75 <26.0>
GOLOMB, M., WEINBERGER, H.F.
    1   OPTIMAL APPROXIMATIONS AND ERROR BOUNDS, M. R. C. TECH.
        REPT. NO. 49, 1958 <34.0>
GOLOVAC, G.P.
    1   THE SOLUTION OF AN INTEGRAL EQUATION OF
        MAGNETOHYDRODYNAMICS, DOPOVIDI AKAD. NAUK. UKRAIN, RSR
        SER. A(1968), 583-586, M. R. 38-6316 <79.0, 113.0>
GOLOVACHIK, P.I.
    1   ON THE CONSTRUCTION OF THE SMALL SOLUTIONS OF A CLASS OF
        NONLINEAR INTEGRAL EQUATIONS, DIFFERENTSIAL'NEY
        URAVNENIYA 2(1966), 1510-1519, TRANSL. DIFF. EQNS.,
        781-786, MR:34-4852 <28.0>
GOLUBENTSEV, O.M., LIHOVID, P.G.
    1   SOME PROPERTIES OF INTEGRAL EQUATIONS AND ANALYSIS OF
        TRANSIENT PROCESSES, PRIKLADNIA MEH. 9(1963), 520-528,
        MR:32-4904 <12.0, 115.0>
GOLUBENTSEV, A.N.
    1   INTEGRAL METHOD IN DYNAMICS, (BOOK, IN RUSSIAN, 1967),
        REPT. NO. FTD-HT-23-145-69, FOREIGN TECHNOLOGY DIV.
        WRIGHT-PATTERSON AFB OHIO
GOLUBITSKII, B.M.
    1   ON A METHOD FOR ELIMINATING SLIT DISTORTIONS IN A
        SPECTRAL INSTRUMENT, OPTICS OF SPECTROSCOPY 19(965),
        356-358 <56.0>
GONTKOVSKAJA, V.T.
    1   ON THE DETERMINATION OF ORBITS BY THE SOLUTION OF A
        SYSTEM OF INTEGRAL EQUATIONS, BJULL. INST. TEORET.
        ASTRONOM. 8(1962), 283-298, TRANSL. M. R. C. TECH.
        SUMMARY REPT. NO. 668 (1966), MR:32-9009 <115.0, 49.A>
GONZALEZ-FERNANDEZ, J.M.(SEE - ANSELONE, P.M.)
GOOD, I.J.
    1   ON THE NUMERICAL SOLUTION OF INTEGRAL EQUATIONS, MATH.
        TABLES. AIDS COMPUT. 11(1957), 82-83, MR:19-180
GOODMAN, L.E.
    1   CONTACT STRESS ANALYSIS OF NORMALLY LOADED ROUGH SPHERES,
        TRANS. A. S. M. E., J. APPL. MECH. (1962), 515-522
        <103.8>
GOODSPEED, F.M.
    1   THE RELATION BETWEEN FUNCTIONS SATISFYING A CERTAIN
        INTEGRAL EQUATION AND GENERAL WATSON TRANSFORMS,
        CANADIAN J. MATH. 2(1950), 223-237, MR:11-661 <62.0>

GOODWIN, B.E.
1   INTEGRAL EQUATIONS WITH NONLINEAR EIGENVALUE PARAMETERS,
     SIAM REV. 7,(1965), 388-394, MR:32-335 <24.5>
2   ON THE REALIZATION OF THE EIGENVALUES OF INTEGRAL
     EQUATIONS WHOSE KERNELS ARE ENTIRE OR MEROMORPHIC IN THE
     EIGENVALUE PARAMETER, J. SIAM APPL. MATH. 14(1966),
     65-85,, MR:33-1675 <24.5>
GOODWIN, B.E., BOYCE, W.E.
1   THE VIBRATIONS OF A RANDOM ELASTIC STRING. THE METHOD OF
     INTEGRAL EQUATIONS., QUART. APPL. MATH. 22(1964),
     261-266, AMR:18-1457 <115.0>
GOODWIN, E.T.   (SEE - FOX, L.)
GORDON, A.N.   (SEE ALSO - CAMERON, A.)
1   DUAL INTEGRAL EQUATIONS, J. LONDON MATH. SOC. 29(1954),
     360-363, MR:16-261 <67.5>
GORDON, J.P., KOGELNIK, M.
1   EQUIVALENCE RELATIONS AMONG SPHERICAL MIRROR OPTICAL
     RESONATORS, BELL SYST. TECH. J. 43(1964), 2873-2886
     <124.0>
GORELOV, I.V.
1   A PAIR OF DUAL INTEGRAL EQUATIONS AND ITS TRANSPOSE,
     WITH KERNELS THAT ARE HOMOGENEOUS OF DEGREE - 1, DOKL.
     AKAD. NAUK TADZIK SSR 11(1968), 7-10, MR:38-6323 <67.0>
GORENFLO, R., KOVETZ, Y.
1   SOLUTION OF AN ABEL-TYPE INTEGRAL EQUATION IN THE
     PRESENCE OF NOISE BY QUADRATIC PROGRAMMING, NUM. MATH.
     8(1966), P.392, MR:33-5097 <16.0>
GOURDIN, M., MARTIN, A.W.
1   INTERACTION NON LOCALE SEPARABLE ET MATRICE DE COLLISION,
     NUOVO CIMENTO (10) 6(1957), 757-779, MR:20-1544 <78.0,
     116.0>
GOURSAT, E.
1   SUR UN CAS ELEMENTAIRE DE L'EQUATION DE FREDHOLM, BULL.
     SOC. MATH. FRANCE 35(1907), 163-173
2   A COURSE IN MATHEMATICAL ANALYSIS. VOL. III. PART TWO -
     INTEGRAL EQUATIONS. CALCULUS OF VARIATIONS, PARIS (1923),
     DOVER (1964), MR:31-570 <01.0>
3   DETERMINATION DE LA RESOLVENTE D'UNE CLASSE D'EQUATIONS
     INTEGRALES, BULL. SCI. MATH. 57 (1933) 144-150
GOVORUN, N.N.
1   THE NUMERICAL SOLUTION OF AN INTEGRAL EQUATION OF THE
     FIRST KIND FOR THE CURRENT DENSITY IN AN ANTENNA-BODY OF
     REVOLUTION, ZH. VYCH. MAT. 1 (1961), 664-679, TRANSL. U.
     S. S. R. COMP. MATH. AND MATH. PHYS., 779-799 <53.2,
     102.0>
2   INTEGRAL EQUATIONS FOR AN ANTENNA IN THE FORM OF A BODY
     OF REVOLUTION WITH AN IMPEDANCE SURFACE, DOKL. AKAD.
     NAUK. SSSR 126(1959), 49-52, TRANSL. SOVIET PHYS. DOKL.
     4, 562-565, MR:22-508 <102.0>
3   UNIQUENESS OF THE SOLUTION TO FREDHOLM'S INTEGRAL
     EQUATIONS OF THE FIRST KIND IN ANTENNA THEORY, DOKL.
     AKAD. NAUK. SSSR 132(1960) 91-94, TRANSL. SOVIET PHYS.
     DOKL. 5, 509-512, MR:22-9069 <29.0, 102.0>

GRAD, H.
    1   THEORY OF THE BOLTZMANN EQUATION, PROC. 11TH INT. CONGR.
        APPL. MECH. (MUNICH), AUG 1964, BERLIN, SPRINGER-VERLAG
        (1966) 741-748, AMR:20-7301 <119.2>
    2   ON BOLTZMANN'S H-THEOREM, J. SOC. INDUSTR. APPL. MATH.
        13,1(1965), 259-277, AMR:9-3122 <119.2>
GRAM, C.
    1   SELECTED NUMERICAL METHODS, REGENCENTRALEN, COPENHAGEN
        (1962), MR:26-7123 <107.0>
GRAMMEL, R.
    1   EIN NEUES VERFAHREN ZUR LOSUNG TECHNISCHEN
        EIGENWERTEPROBLEME, ING. ARCH. 10(1939), TRANSL. - DAVID
        TAYLOR MODEL BASIN, WASH., D. C., REPT. NO. DTMB-TRANS -
        335, OCT. 1966
GRAVES, L.M.   (SEE - HILDEBRAND, F.B.)
GRAVES-MORRIS, P.R.
    1   FREDHOLM METHOD FOR BETHE-SALTPETER EQUATIONS, PHYS.
        REV. LETTERS 16(1966), 201-203
GRAY, H.C.
    1   A MODIFICATION OF HALLEN'S SOLUTION OF THE ANTENNA
        PROBLEM, J. APPL. PHYS. 15(1944), 61-65, MR:6-282 <102.0>
GREBENJUK, D.G.
    1   ON APPROXIMATE SOLUTION OF FREDHOLM INTEGRAL EQUATIONS,
        IZV. AKAD. NAUK. UZSSR SER. FIZ.-MAT. NAUK. 1(1959),
        63-68, MR:22-3957 <45.0>
    2   ON A METHOD OF APPROXIMATE SOLUTION OF FREDHOLM INTEGRAL
        EQUATIONS, AKAD. NAUK. UZBEK. SSR., TRUDY INST. MAT.
        MEH. 15(1955), 107-110, MR:17-749 <45.0>
    3   THE APPROXIMATE SOLUTION OF A FREDHOLM INTEGRAL EQUATION
        IN TWO VARIABLES, IZV. AKAD. NAUK UZSSR SER. FIZ.-MAT.
        NAUK 4(1962), 12-16, MR:26-5374 <45.0>
GREEN, A.E.   (SEE ALSO - ENGLAND, A.H.)
    1   NOTE ON THE GLIDING OF A PLATE ON THE SURFACE OF A
        STREAM, PROC. CAMB. PHIL. SOC. 32(1936), 248-252 <112.0>
    2   THE GLIDING OF A PLATE ON A STREAM OF FINITE DEPTH,
        PROC. CAMB. PHIL. SOC. PT. I 31(1935), 584-603, PT. II
        32(1936), 67-85 <112.0>
    3   ON BOUSSINESQ'S PROBLEM AND PENNY-SHAPED CRACKS, PROC.
        CAMB. PHIL. SOC. 45(1949), 251-257, MR:10-649 <103.6>
GREEN, A.E., ZERNA, W.
    1   THEORETICAL ELASTICITY, OXFORD UNIVERSITY PRESS (1954),
        MR:16-306 <74.2, 103.6>
GREEN, C.D.
    1   INTEGRAL EQUATION METHODS, THOMAS NELSON AND SONS LTD.,
        LONDON (1969), MR:40-658 <01.0>
GREEN, H.S.   (SEE ALSO - BORN, M.)
    1   INTEGRAL EQUATIONS OF QUANTIZED FIELD THEORY, PHYS. REV.
        (2) 95(1954), 548-556, MR:16-318 <117.0>
GREENSPAN, D.   (SEE - ANSELONE, P.M.)

GREENSPAN, D., WERNER, P.
    1   A NUMERICAL METHOD FOR THE EXTERIOR DIRICHLET PROBLEM
        FOR THE REDUCED WAVE EQUATION. ARCH. RAT. MECH. AND
        ANAL. 23, 4(1966), 288-316 <53.2, 95.0>
GREGG, J.L.   (SEE - SPARROW, E.M.)
GREGORY, R.D.
    1   THE ATTENUATION OF A RAYLEIGH WAVE IN A HALF-SPACE BY A
        SURFACE IMPEDANCE. PROC. CAMB. PHIL. SOC. 62(1966),
        811-827, AMR:4-4125 <71.0>
GREMJACENSKI, A.
    1   ON EIGENVALUES OF SYSTEMS OF NON-LINEAR INTEGRAL
        EQUATIONS, DOKL. AKAD. NAUK SSSR 60(1948), 337- <27.0>
GRETLER, W.
    1   A NEW METHOD FOR THE COMPUTATION OF TWO-DIMENSIONAL
        SUBSONIC FLOW AROUND THIN WINGS AT SMALL ANGLES OF
        ATTACK (GERMAN), ACTA MECHANICA 1(1965), 109-134,
        AMR:20-1183 <108.0>
GRIBKOVA, V.P.
    1   REFINEMENT OF THE ERROR ESTIMATE IN THE SOLUTION OF
        FREDHOLM INTEGRAL EQUATIONS BY THE METHOD OF ASYMPTOTIC
        POLYNOMIALS OF THE SECOND KIND, VESCI AKAD. NAVUK BSSR
        SER. FIZ-MAT. NAVUK (1968), 25-33, MR:38-5410 <43.0>
GRINBERG, G.A.
    1   INTEGRAL EQUATIONS IN WHICH THE KERNEL DEPENDS ON THE
        ABSOLUTE VALUE OF THE DIFFERENCE BETWEEN THE ARGUMENTS
        AND THE INTERVAL OF VARIATION OF THE VARIABLES IS FINITE,
        DOKL. AKAD. NAUK. SSR 128(1959), 450-453, MR:21-6518
        <77.0>
    2   INTEGRAL EQUATIONS WHEN THE KERNEL DEPENDS ON THE
        ABSOLUTE VALUE OF THE DIFFERENCE BETWEEN THE ARGUMENTS,
        AND THE VARIABLES VARY WITHIN A FINITE INTERVAL, DOKL.
        AKAD. NAUK SSSR 163(1965), 1310-1313, SOVIET MATH.
        DOKL. 6(1965), 1100-1104, MR:32-2860 <77.0>
GRINBERG, G.A., KOLESNIKOVA, E.N.
    1   DIFFRACTION OF ELECTROMAGNETIC WAVES ON A PERFECTLY
        CONDUCTING PLANE RING. Z. TEHN. FIZ. 31(1961) 13-17,
        TRANSL. SOVIET PHYS.-TECH. PHYS. 6(1961), 8-11,
        MR:23-B1862 <81.0, 101.0>
GRINCHENKO, V.T., ULITKO, A.F.
    1   A MIXED BOUNDARY VALUE PROBLEM ON HEAT- CONDUCTION IN A
        HALF-SPACE, INZH. - FIZ. ZH. 6(1963), 67-71, AMR:18-3660
        <92.5>
    2   STRETCHING OF AN ELASTIC SPACE WEAKENED BY AN ANNULAR
        CRACK, PRIKL. MEKH. 1C(1965), 61-64 <103.9>
GROSCHAFTOVA, Z.
    1   APPROXIMATE SOLUTIONS OF EQUATIONS IN BANACH SPACES BY
        THE NEWTON ITERATIVE TECHNIQUE. II., HAMMERSTEIN
        INTEGRAL EQUATION, COMMENT MATH. UNIV. CA 8(1967),
        463-501, MR:36-7360 <26.0, 49.8>
GROSS, B.
    1   ON THE INVERSION OF THE VOLTERRA INTEGRAL EQUATION,
        QUART. APPL. MATH. 10(1952), 74-76, MR:13-561 <12.0>

GROSS, K.I.
    1   DISCUSSION OF AN ITERATIVE SOLUTION TO AN EQUATION OF
        RADIATIVE TRANSFER. J. MATH. PHYS. 41(1962), 53-61.
        MR:25-4892 <49.0, 119.5>
GROSS, O.   (SEE - BELLMAN, R.)
GROSSMAN, K.G.   (SEE ALSO - ISAACSON, E.)
    1   A FINITE DIFFERENCE SOLUTION FOR SINGULAR INTEGRAL
        EQUATIONS OF THE FIRST KIND WITH A CAUCHY TYPE KERNEL.
        THESIS N. Y. U. (1964). <50.0, 110.0>
GRUDO, E.I.
    1   A STUDY OF SOLUTIONS OF A CERTAIN CLASS OF
        INTEGRO-DIFFERENTIAL EQUATIONS. DIFFERENTSIAL'NYE
        URAVNENIYA 1(1965), 534-544. TRANSL. DIFFER. EQ. 1(1965),
        409-416. MR:32-8099 <17.0>
    2   ON A CERTAIN VOLTERRA INTEGRAL EQUATION.
        DIFFERENCIAL'NYE URAVNENIJA 1(1965), 214-218. TRANSL.
        DIFFERENTIAL EQUATIONS 1(1965), 161-164. MR:32-8079
        <11.0>
    3   EXPANSION OF THE SOLUTIONS OF AN INTEGRODIFFERENTIAL
        EQUATION. DIFFERENTIAL'NYE URAVNENIYA 2(1966), 1587-1593.
        TRANSL. DIFF. EQNS. 822-825. MR:34-4856 <17.0>
GUBENKO, V.S., MOSSAKOVSKII, V.I.
    1   PRESSURE OF AN AXIALLY SYMMETRIC CIRCULAR DIE ON AN
        ELASTIC HALF-SPACE. P. M. M. 24(1960), 334-340. TRANSL.
        J. APPL. MATH. MECH. 477-486. MR:22-8804 <103.6, 104.9>
GUDERLEY, K.G.   (SEE - FERGUSON, H.)
GUHA, M.K.
    1   FUNCTION-THEORETIC METHOD OF SOLUTION OF DUAL INTEGRAL
        EQUATIONS INVOLVING BESSEL FUNCTIONS. J. SCI. ENGRG.
        RES. 13(1969), 266-273. MR:41-5912 <67.5>
GULKANIAN, N.O.   (SEE - BABLOYAN, A.A.)
GUNTHER, N.
    1   SUR LES EQUATIONS INTEGRALES DE TROISIEME ESPECE. C. R.
        (DOKLADY) ACAD. SCI. URSS (N. S.) 30(1941), 683-686.
        MR:3-151   <22.0>
    2   POTENTIAL THEORY. NEW YORK, UNGAR (1967). MR:36-5368
        <92.0, 90.0>
GUO, D.-J.
    1   SOLVABILITY OF NONLINEAR INTEGRAL EQUATIONS OF
        HAMMERSTEIN TYPE WITH APPLICATIONS. ACTA MATH. SINICA
        16(1966), 137-149. CHINESE MATH. - ACTA 8(1966), 145-159.
        MR:34-6470 <26.0>
    2   THE STABILITY OF SOLUTIONS OF LINEAR INTEGRAL EQUATIONS.
        SCI. SINICA 8(1959), 331-355. MR:22-168 <22.0>
GUPTA, C.P.   (SEE - BROWDER, F.E.)
GUPTA, M.R.   (SEE - CHAKRABARTI, S.K.)
GUPTA, P.M., CHATURVEDI, H.C.
    1   THE SOLUTION OF FOUR INTEGRAL EQUATIONS INVOLVING
        BESSEL FUNCTION. INDIAN J. PURE APPL. MATH. 1(1970),
        404-414. MR:41-8947 <67.9>

GUPTA, R.R., HARRINGTON, R.F.
    1 CAVITY RESONATORS CONTAINING ANISOTROPIC MEDIA, APPL.
          SCI. RES. 16(1966), 47-64 <101.0>
GUREVICH, M.I.
    1 THEORY OF JETS IN IDEAL FLUIDS, ACADEMIC PRESS (1965),
          MR:34-3855 <113.5>
GURNEE, E.F.
    1 SOLUTION OF AN INTEGRAL EQUATION ARISING IN OPTICAL
          STUDIES OF ORIENTED FILAMENTS, J. APPL. PHYS. 26(1955),
          918, MR:16-1121 <64.5, 123.2>
GURTIN, M.E.   (SEE ALSO - EDELSTEIN, W.S.)
    1 VARIATIONAL PRINCIPLES FOR LINEAR INITIAL-VALUE PROBLEMS,
          QUART. APPL. MATH. 22(1964), 252-256, AMR:18-695 <48.5>
GUSEINOV, A.T., MUHTAROV, H.S.
    1 A METHOD OF INVESTIGATION OF NONLINEAR SINGULAR
          EQUATIONS (RUSSIAN), DOKL. AKAD. NAUK SSSR 168(1966),
          982-985, SOVIET MATH. DOKL. 7(1966), 748-751, MR:33-6319
          <28.3>
    2 INVESTIGATION OF A CLASS OF NONLINEAR SINGULAR INTEGRAL
          EQUATIONS WITH CAUCHY KERNEL AND VANISHING ON ANNULI,
          DOKL. AKAD. NAUK SSSR 156(1964), 491-894, MR:28-4323
          <28.3>
    3 THEOREMS OF EXISTENCE AND UNIQUENESS FOR A CLASS OF
          NONLINEAR SINGULAR INTEGRAL EQUATIONS WITH A CAUCHY
          KERNEL IN THE CLASS OF FUNCTIONS WHICH VANISH AT THE
          ENDS, AZERBAIDZAN. GOS. UNIV. UCEN. ZAP. SER. FIZ.-MAT.
          I HTEN NAUK 1964 3-8, MR:3093 <28.3>
    4 A THEOREM ON THE EXISTENCE OF A BOUNDED SOLUTION FOR
          NONLINEAR SINGULAR INTEGRAL EQUATIONS WITH A CAUCHY
          KERNEL, DOKL. AKAD. NAUK SSSR 146(1962), 288-291,
          MR:25-4322 <28.3>
    5 A THEOREM FOR THE EXISTENCE OF BOUNDED SOLUTION FOR
          NONLINEAR SINGULAR INTEGRAL EQUATIONS WITH CAUCHY KERNEL,
          AZERBAIDZAN GOS. UNIV. UCEN. ZAP. SER. FIZ.-MAT. HIM.
          NAUK 3(1952), 57-74, MR:27-2818 <28.3>
GUY, W.T.   (SEE - MILLER, M.K.)
HADELER, K.P.
    1 ANWENDUNG VON FIXPUNKTSATZEN AUF NICHTLINEARE
          EIGENWERTAUFGABEN, MATH. Z. 112 (1969), 181-189 <24.5>
    2 UBER OPERATORGLEICHUNGEN MIT NICHT LINEARE AUFTRETENDEM
          PARAMETER, ZAMM 47 (1967), 91-96, MR:35-6355 <24.5>
HADWIGER, H.
    1 EINE FORMEL DER MATHEMATISCHEN BEVOLKERUNGSTHEORIE,
          MITT. VEREIN. SCHWEIZ. VERSICH.-MATH. 41 (1941), 67-73,
          MR:3-11 <12.0, 121.0>
    2 NATURLICHE AUSSCHEIDEFUNKTIONEN FUR GESAMTHEITEN UND DIE
          LOSUNG DER ERNEUERUNGSGLEICHUNG, MITT. VEREIN. SCHWEIZ.
          VERSICH.-MATH. 40 (1940), 31-39, MR:3-11 <12.0, 121.0>
    3 UBER DIE INTEGRALGLEICHUNG DER BEVOLKERUNGSTHEORIE,
          MITT. VEREIN. SCHWEIZ. VERSICH.-MATH. 38 (1939), 1-14,
          MR:1-158 <12.0, 121.0>

4　UBER EINE FUNKTIONALGLEICHUNG DER BEVOLKERUNGSTHEORIE
　　　UND EINE SPEZIELLE KLASSE ANALYTISCHER LOSUNGEN, BL.
　　　VERSICH.-MATH. 5 (1941), 181-188, MR:3-11　<12.0, 121.0>

HADZIMULLAEV, F.S.
　1　ON THE THEORY OF NONLINEAR SINGULAR INTEGRAL EQUATIONS,
　　　IZV. AKAD. NAUK, UZSSR SER. FIZ. - MAT. NAUK., 4(1962),
　　　22-32, MR:26-1721　<28.3>

HAFEN, M.
　1　STUDIEN UBER EINIGE PROBLEME DER POTENTIAL THEORIE,
　　　517-537　<90.0>

HAIPULLIN, I.H.
　1　SOME INFINITE SETS OF SIMULTANEOUS LINEAR ALGEBRAIC
　　　EQUATIONS SOLVABLE IN CLOSED FORM, DOKL. AKAD. NAUK.
　　　SSSR 123(1958), 795-798, MR:20-7197　<35.0>

HAJI-SHEIKH　　　　　　　　(SEE - SPARROW, E.M.)

HALANAY, A.
　1　ASYMPTOTIC BEHAVIOR OF THE SOLUTIONS OF CERTAIN
　　　NONLINEAR INTEGRAL EQUATIONS, REV. ROUMAINE MATH. PURES.
　　　APPL. 10 (1965), 765-777, MR:35-2115　<11.0>
　2　ON THE ASYMPTOTIC BEHAVIOR OF THE SOLUTIONS OF AN
　　　INTEGRO-DIFFERENTIAL EQUATION, J. MATH. ANAL. APPL. 10
　　　(1965), 319-324, MR:31-579　<17.0>
　3　SOLUTIONS PERIODIQUES DES SYSTEMS GENERAUX A RETARDEMENT,
　　　C. R. ACAD. SCI. PARIS 250 (1960), 3557-3559,
　　　MR:22-5861　<17.0>
　4　SOLUTIONS PERIODIGUES DES SYSTEMS GENERAUX A RETARDEMENT
　　　DANS LE CAS DE LA RESONANCE, C. R. ACAD. SCI. PARIS 251
　　　(1960), 1856-1858, MR:22-9931　<17.0>

HALFMAN, R.L.　　　　　　　(SEE - BISPLINGHOFF, R.L.)
HALPERN, O., LUNEBURG, R.K.
　1　MULTIPLE SCATTERING OF NEUTRONS . II. DIFFUSION IN A
　　　PLATE OF FINITE THICKNESS, PHYSICAL REV. (2) 76 (1949),
　　　1811-1819, MR:13-137　<119.5>

HAMEL, G.
　1　INTEGRALGLEICHUNGEN. 2ND EDN. , SPRINGER (1949),
　　　MR:10-542　<01.0>
　2　UBER ERZWUNGENE SCHWINGUNGEN BEI ENDLICHEN AMPLITUDEN,
　　　MATH. ANN. 86 (1922), 1-13　<27.0, 115.0>

HAMMERLIN, G.
　1　A SUBSTITUTION KERNEL PROCEDURE FOR NUMERICAL TREATMENT
　　　OF INTEGRAL EQUATIONS OF THE SECOND TYPE, ZAMM 42 (1962),
　　　439-463, AMR:18-719C　<43.0>
　2　ZUR NUMERISCHEN INTEGRATION PERIODISCHER FUNCTIONEN, Z.
　　　ANGEW. MATH. MECH. 39(1959), 80-82, MR:21-967　<41.0>

HAMMERSLEY, J.M., NELDER, J.A.
　1　SAMPLING FROM AN ISOTROPIC GAUSSIAN PROCESS, PROC. CAMB.
　　　PHIL. SOC. 51 (1955), 652-662, MR:17-170　<54.5>

HAMMERSTEIN, A.
　1　NICHTLINEARE INTEGRALGLEICHUNGEN NEBST ANWENDUNGEN,
　　　ACTA. MATH. 54 (1930), 117-176　<26.0>
　2　UBER NICHTLINEARE INTEGRALGLEICHUNGEN UND DIE DAMIT
　　　ZUSAMMENHANGEN RANDWERTAUFGABEN, JAHRBER. DER DEUTSCHEN
　　　MATH.-VER. 38 (1929), 21-28　<26.0>

3 UBER DIE ENTWICKLUNG EINES LOGARITHMISCHEN UNSTETIGEN
       KERNES NACH SEINEN EIGENFUNKTIONEN, SITZ.-BER. AKAD.
       BERLIN (1925) 590-595 <26.0>
HAN, L.S.   (SEE - STICKLER, D.C.)
HANDELSMAN, R.A., KELLER, J.B.
   1 AXIALLY SYMMETRIC POTENTIAL FLOW AROUND A SLENDER BODY,
       J. FLUID MECH. 28(1967) 131-147,, AMR:21-1896 <81.0,
       111.0>
   2 THE ELECTROSTATIC FIELD AROUND A SLENDER CONDUCTING BODY
       OF REVOLUTION, SIAM J. APPL. MATH. 15 (1967), 824-841,
       AMR:21-3747 <81.0, 90.2>
HANNAH, M.
   1 CONTACT STRESS AND DEFORMATION IN A THIN ELASTIC LAYER,
       QUART. J. MECH. AND APPL. MATH. 4(1951), 94-105,
       AMR:4-3806 <103.6>
HANNSGEN, K.B.
   1 ON A NONLINEAR VOLTERRA EQUATION, MICHIGAN MATH. J.
       16(1969), 365-376, MR:40-3225 <17.0>
   2 A VOLTERRA EQUATION WITH COMPLETELY MONOTONIC
       CONVOLUTION KERNEL, J. MATH. ANAL. APPLIC. 31(1970),
       459-471 <12.5>
   3 INDIRECT ABELIAN THEOREMS AND A LINEAR VOLTERRA EQUATION,
       TRANS. AMER. MATH. SOC. 142(1969), 539-555 <12.0>
HANSSON, L., WALLER, I.
   1 ON A SPHERICAL NEUTRON DIFFUSION PROBLEM, ARK. MAT.
       ASTR. FYS. 36B, NO. 8,(1949),7, MR:11-184 <119.0>
HARATISVILI, G.L.
   1 ON A MEANS OF CALCULATING THE LEAST EIGENVALUE OF AN
       INTEGRAL EQUATION OF SPECIAL FORM (RUSSIAN), TRUDY
       VYCISL. CENTRA AKAD. NAUK GRUZIN. SSR 2 (1961), 283-284
       (1962), MR:32-1923 <77.7>
HARAZOV, D.F.
   1 THE ESTIMATES OF EIGENVALUES OF CERTAIN OPERATORS WITH A
       DISCRETE SPECTRUM, DIFFERENCIAL'NYE URAVNENIJA 1 (1965),
       1054-1069, MR:32-8173 <54.0>
   2 ON A CLASS OF SINGULAR INTEGRAL EQUATIONS WHOSE KERNELS
       ARE MEROMORPHIC FUNCTIONS OF A PARAMETER, TRAV. INST.
       MATH. TBILISSI 13(1944), 139-152, MR:7-452 <25.0>
   3 ON LINEAR INTEGRAL EQUATIONS WHOSE KERNELS ARE INTEGRAL
       RATIONAL FUNCTIONS OF A PARAMETER, BULL. ACAD. SCI.
       GEORGIAN SSR 6(1945), 663-669, MR:8-385 <22.0>
   4 ON LINEAR INTEGRAL EQUATIONS WITH GENERALIZED KERNELS OF
       MARTY'S TYPE, AKAD. NAUK GRUZIN. SSR. TRUDY TBILISS MAT.
       INST. RAZMADZE 17(1949), 47-60, MR:12-832 <22.0>
   5 ON LINEAR INTEGRAL EQUATIONS WHOSE KERNEL IS A
       POLYNOMIAL OF THE SECOND DEGREE IN A PARAMETER,
       SOOBSCENIYA AKAD. NAUK GRUZIN. SSSR. 8(1947), 275-281,
       MR:19-179 <22.0>
   6 ON THE DISTRIBUTION OF THE CHARACTERISTIC VALUES OF
       INTEGRAL EQUATIONS WITH KERNEL RATIONAL IN THE PARAMETER,
       DOKL. AKAD. NAUK. SSR (N.S.) 71(1950), 1033-1035,
       MR:12-106 <22.0, 24.0>

7 APPLICATION OF INTEGRAL EQUATIONS WITH KERNELS DEPENDING
   UPON A PARAMETER TO SOME BOUNDARY PROBLEMS IN THE THEORY
   OF DIFFERENTIAL EQUATIONS, AKAD. NAUK GRUZIN. SSR. TRUDY
   TBILISS MAT. INST. RAZMADZE 18(1951), 265-306, MR:14-764
   <22.0>

8 ON LINEAR INTEGRAL EQUATIONS WITH GENERALIZED SCHMIDT
   KERNELS, AKAD. NAUK. GRUZIN. SSR TRUDY TBILISS MAT.
   INST. RAZMADZE 16(1948), 143-167, MR:14-180 <22.0,
   24.0>

9 ON THE THEORY OF LINEAR INTEGRAL EQUATIONS WITH KERNELS
   POLYNOMIAL IN A PARAMETER, SOOBSCENIYA AKAD. NAUK GRUZIN
   SSR. 9(1948), 91-98, MR:14-180 <22.0>

HARDY, G.H., TITCHMARSH, E.C.
1 SOLUTION OF AN INTEGRAL EQUATION, J. LOND. MATH. SOC. 4
   (1931) 300-304
2 AN INTEGRAL EQUATION, PROC. CAMB. PHIL. SOC. 28 (1932)
   165-173

HARRINGTON, R.F.   (SEE - GUPTA, R.R.)

HARRIS, D.L.
1 DIFFUSE REFLECTION FROM PLANETARY ATMOSPHERES,
   ASTROPHYS. J. 126 (1957), 408-417 <119.0>

HARRIS, T.E.   (SEE ALSO - BELLMAN, R.)
1 THE THEORY OF BRANCHING PROCESSES, SPRINGER-VERLAG
   <121.0>

HARTLE, J.B., TAYLOR, J.R.
1 EXISTENCE OF N/D MATRICES, J. MATH. PHYS. 8(1967),
   651-656 <116.8>

HARTMAN, P., WINTER, A.
1 THE SPECTRA OF TOEPLITZ'S MATRICES, AMER. J. MATH. 76
   (1954), 867-882, MR:17-499 <24.9>

HARTREE, D.R.
1 THE CALCULATION OF ATOMIC STRUCTURES, WILEY AND CHAPMANN
   HALL (1957), MR:19-811 <48.5, 117.0>

HARUMI, K.
1 SCATTERING OF PLANE WAVES BY A RIGID RIBBON IN A SOLID,
   J. APPL. PHYS. 32 (1961), 1488-1497

HASKIND, M.D.
1 OSCILLATIONS OF A SYSTEM OF PLATES ON THE SURFACE OF A
   HEAVY LIQUID, APPL. MATH. MECH. (AKAD. NAUK SSSR. PRIKL.
   MAT. MECH.) 7 (1943), 421-430, MR:6-250 <112.5>
2 REDUCTION AND DIFFRACTION OF SURFACE WAVES BY A
   VERTICALLY FLOATING PLATE, PRIKL. MAT. MECH. 23 (1959),
   546-556 <112.5>
3 THREE DIMENSIONAL FLOW ABOUT THIN BODIES, PRIKL. MAT.
   MECH. 20 (1956), 203-210, MR:19-86 <108.0, 111.0>
4 THE RADIATION AND DIFFRACTION OF SURFACE WAVES FROM A
   VERTICALLY FLOATING PLATE, P.M.M. 23(1959), 546-558,
   TRANSL. J. APPL. MATH. MECH. 23,770-783, MR:22-2216
   <112.5>

HASSE, M.
1 UBER EINE SINGULARE INTEGRALGLEICHUNG 1. ART MIT
   LOGARITHMISCHER UNSTETIGKEIT, Z. ANGEW. MATH. MECH. 30
   (1950), 317-330, MR:12-541 <77.0>

HAWKINS, F.M.
1   THE H-FUNCTION AND ITS APPLICATION TO A PROBLEM IN
        SEMI-CIRCULAR ELECTRON FOCUSING IN METALS, PROC. CAMB.
        PHIL. SOC. 61 (1965), 433-443, MR:30-4126   <71.8>
HAYASHI, Y.
1   INTEGRAL EQUATIONS FOR ELECTROMAGNETIC FIELDS IN
        ANISOTROPIC INHOMOGENEOUS MEDIA, M. R. C. REPT. NO. 395,
        MAY (1963)
2   ELECTROMAGNETIC FIELD IN A DOMAIN BOUNDED BY COAXIAL
        CIRCULAR CYLINDERS WITH SLOTS, PROC. JAPAN. ACAD.
        40(1964), 305-310, MR:31-1017 <101.0>
3   ON SOME SINGULAR INTEGRAL EQUATIONS. 1., PROC. JAPAN
        ACAD. 40 (1964), 323-328, MR:29-6268   <73.0>
HEARD, M.L.
1   ON A NONLINEAR INTEGRO-DIFFERENTIAL EQUATION, J. MATH.
        AND APPL. 26 (1969), 170-189 <17.0>
2   ON ASYMPTOTIC BEHAVIOR AND PERIODIC SOLUTIONS OF A
        CERTAIN VOLTERRA INTEGRAL EQUATION, J. DIFF. EQNS. 6
        (1969) 172-186 <11.0>
3   CONVERGENCE THEOREMS FOR SOLUTIONS OF A CERATIN VOLTERRA
        INTEGRAL EQUATION, J. MATH. ANAL. APPL. 30(1970),
        613-635, MR:41-5905 <14.6>
HEARNE, K.H.   (SEE - EDELS, H.)
HEASLET, M.A.   (SEE - LOMAX, H.)
HEASLET, M.A., LOMAX, H.
1   RADIATIVE HEAT-TRANSFER CALCULATIONS FOR INFINITE SHELLS
        WITH CIRCULAR-ARC SECTIONS, INCLUDING EFFECTS OF AN
        EXTERNAL SOURCE FIELD, INTERNAT. J. HEAT MASS TRANSFER
        5(1962), 457-468, AMR:16-1107 <120.7>
HEBRONI, P.
1   ON RELATIONS EXISTING BETWEEN TWO KERNELS OF THE FORM (
        A,B) + B AND (B,A) +B, BULL. AMER. MATH SOC. 53 (1947),
        753-756, MR:9-189 <22.0>
HECTOR, D.L.   (SEE - OLMSTEAD, W.E.)
HEFFERLIN, R., GEARHART, J.
1   LABORATORY HIGH-EXCITATION RELATIVE F-VALUES FOR
        MANGANESE I, J. QUANT. SPECTR. RAD. TRANSF. 4(1964),
        9-28 <16.0>
HEINHOLD, J.
1   EINIGE MITTELS LAPLACE-TRANSFORMATION LOSBARE
        INTEGRALGLEICHUNGEN. I., MATH. Z. 52 (1950), 779-790,
        MR:12-339 <64.0>
HEINS, A.E.
1   A BOUNDARY-VALUE PROBLEM ASSOCIATED WITH THE TRICOMI
        EQUATION, ANN. SCUOLA NORM. SUP. SCI. FIS. MAT. PISA
        19(1965), 455-479, AMR:19-4049 <94.3>
2   FUNCTION-THEORETIC ASPECTS OF DIFFRACTION THEORY, R. E.
        LANGER (ED.) ELECTROMAGNETIC WAVES, UNIV. OF WISCONSIN
        PRESS (1962), 99-108, MR:24-A3484 <74.2, 97.0>
3   A NOTE ON A SINGULAR INTEGRAL EQUATION, PROC. CAMB.
        PHIL. SOC. 46 (1950), 268-271, MR:11-660 <71.0>

4 SUR LES COUPLES D'EQUATIONS INTEGRALES, C. R. ACAD. SCI.
PARIS 230 (1950), 1732-1734, MR:12-31 <67.5, 71.0>
5 SYSTEMS OF WIENER-HOPF INTEGRAL EQUATIONS AND THEIR
APPLICATION TO SOME BOUNDARY VALUE PROBLEMS. IN
ELECTROMAGNETIC THEORY, PROC. SYMPOSIA APPL. MATH. 2
(1950), 76-81, MR:11-366 <70.8, 96.0>
6 THE GREEN'S FUNCTION FOR PERIODIC STRUCTURES IN
DIFFRACTION THEORY WITH AN APPLICATION TO PARALLEL PLATE
MEDIA I., J. MATH. MECH. 6 (1957), 401-426, MR:20-4409
<71.0, 96.0>
7 THE GREEN'S FUNCTION FOR PERIODIC STRUCTURES IN
DIFFRACTION THEORY WITH AN APPLICATION TO PARALLEL PLATE
MEDIA II., J. MATH. MECH. 6 (1957), 629-639, MR:20-4410
<71.0, 96.0>
8 AXIALLY SYMMETRIC BOUNDARY VALUE PROBLEMS, BULL. AMER.
MATH. SOC. 71 (1965), 787-808 <74.2, 92.1>
HEINS, A.E., JONES, D.S.
1 NOTE ON DIFFRACTION BY A DISK, PROC. CAMB. PHIL. SOC. 63
(1967), 851-853, MR:35-3963 <97.0>
HEINS, A.E., MACCAMY, R.C.
1 A FUNCTION-THEORETIC SOLUTION OF CERTAIN INTEGRAL
EQUATIONS I., QUART. J. MATH. OXFORD. SER. (2) 9 (1958),
132-143, MR:21-1508 <73.0>
2 A FUNCTION-THEORETIC SOLUTION OF CERTAIN INTEGRAL
EQUATIONS. II., QUART. J. MATH. OXFORD SER. (2) 10
(1959), 280-293, MR:26-5382 <73.0>
3 ON MIXED BOUNDARY-VALUE PROBLEMS FOR AXIALLY-SYMMETRIC
POTENTIALS, J. MATH. ANAL. AND APPL. 1 (1960), 331-333,
MR:23-A2554 <73.0, 92.1>
4 ON THE SCATTERING OF WAVES BY A DISK, ZAMP II. 4 (1960),
249-264, MR:23-B2301 <74.2, 97.0>
5 SYMMETRIC SOLUTIONS OF ELLIPTIC PARTIAL DIFFERENTIAL
EQUATIONS, J. MATH. ANAL. AND APPL. 1 (1960), 331-
HEINS, A.E., WIENER, N.
1 A GENERALIZATION OF THE WIENER-HOPF INTEGRAL EQUATION,
PROC. NAT. ACAD. SCI. U.S.A. 32 (1946), 98-101, MR:8-29
HELLER, A. (SEE - RADOK, J.R.M.)
HELLINGER, E., TOEPLITZ, O.
1 INTEGRALGLEICHUNGEN UND GLEICHUNGEN MIT UNENDLICHVIELEN
UNBEKANNTEN, TEUBNER (1927), CHELSEA (1953), MR:15-37
<35.0>
2 GRUNDLAGEN EINER THEORIE DER UNENDLICHEN MATRIZEN, MATH.
ANN. 69 (1910) 289-330 <35.0>
HELLMAN, O.
1 ASYMPTOTIC SOLUTION OF PALM'S INTEGRAL EQUATION,
OPERATIONS RESEARCH 2 (1963), 553-560 <122.0>
2 ON THE PERIODICITY OF THE SOLUTION OF A CERTAIN
NONLINEAR INTEGRAL EQUATION, PACIFIC J. MATH. 8 (1958),
219-226, MR:20-4164 <12.5>
HELLSTEN, U.
1 DETERMINATION OF THE DENOMINATOR OF FREDHOLM IN SOME
TYPES OF INTEGRAL EQUATIONS, ACTA. MATH. 79 (1947),
105-152, MR:9-147 <21.0>

2 THE REALITY OF THE EIGENVALUES OF CERTAIN INTEGRAL
      EQUATIONS, ARK. MAT. 3 (1954), 79-87, MR:15-800 <24.9>
HELSTROM, C.W.
   1 STATISTICAL THEORY OF SIGNAL DETECTION, MACMILLAN (1960),
        MR:23-B1607
HENRICI, P.
   1 A SURVEY OF I. N. VEKUA'S THEORY OF ELLIPTIC PARTIAL
      DIFFERENTIAL EQUATIONS WITH ANALYTIC COEFFICIENTS, ZAMP,
      8 (1957), 169-203, MR:19-38 <74.8>
HERGLOTZ, P.
   1 UBER DIE INTEGRALGLEICHUNGEN DER ELECTRONENTHEORIE,
      MATH. ANN. 65(1908), 87-98 <124.0>
HERMAN, F., SKILLMAN, S.
   1 ATOMIC STRUCTURE CALCULATIONS, PRENTICE HALL (1963)
      <117.0>
HEROD, J.V.
   1 SOLVING INTEGRAL EQUATIONS BY ITERATION, DUKE MATH. J.
      34 (1967), 519-534, MR:36-625 <49.0>
HERRIOT, J.G.   (SEE - BERGMAN, S.)
HERSCH, J.
   1 CARACTERISATION VARIATIONELLE D'UNE SOMME DE VALEURS
      PROPRES CONSECUTIVES: GENERALISATION D'INEGALITES DE
      POLYA-SCHIFFER ET DE WEYL, C. R. ACAD. SCI. PARIS 252
      (1961) 1714-1716, MR:23-A3352 <48.5>
   2 PROPRIETES DE CONVEXITE DU TYPE DE WEYL POUR DES
      PROBLEMES DE VIBRATION DE D'EQUILIBRE, ZAMP 12(1961),
      298-322, MR:24-B1759 <24.0>
HERY, G.
   1 UBER EINE KLASSE SINGULARER INTEGRALGLEICHUNGEN,
      MATHODEN UND VERFAHREN DER MATH. PHYS. BAND 1(1969),
      33-45, BIBLIOGRAPHISCHES. INST. MANNHEIM, MR:41-5908
      <74.5>
HESS, J.L.
   1 CALCULATIONS OF POTENTIAL FLOW ABOUT BODIES OF
      REVOLUTION HAVING AXES PERPENDICULAR TO THE FREE-STREAM
      DIRECTION, J. AEROSPACE SCI. 29 (1962), 726-742,
      MR:25-1726 <111.0>
HESS, J.L., SMITH, A.M.O.
   1 CALCULATION OF NONLIFTING POTENTIAL FLOW ABOUT ARBITRARY
      THREE-DIMENSIONAL BODIES, J. SHIP. RES. 8,2(1964), 22-44
      <110.0>
   2 CALCULATION OF POTENTIAL FLOW ABOUT ARBITRARY BODIES,
      PROGR. AERO. SCI. 8(1367), 1-138, AMR:22-5288 <111.0>
HEWSON-BROWNE, R.C.
   1 STANDING GRAVITY WAVES OF FINITE AMPLITUDE IN LIQUID OF
      INFINITE DEPTH, QUART. J. MECH. APPL. MATH. 18(1965),
      345, MR:33-2061 <112.1>
HEYWOOD, P.
   1 ON A MODIFICATION OF THE HILBERT TRANSFORM, J. LONDON
      MATH. SOC. 42 (1967), 641-645, MR:36-620 <62.8>

HEYWOOD, P., FRECHET, M.

   1   L'EQUATION OF FREDHOLM ET SES APPLICATIONS A LA PHYSIQUE
        MATHEMATIQUE, PARIS (1912) <01.0>

HIGGINS, T.J.   (SEE ALSO - FENG, T.N., REITAN, D.K.)

   1   THE SOLUTION OF BOUNDARY -VALUE PROBLEMS IN ENGINEERING
        BY THE METHOD OF SUBAREAS, REPT. NO. 1 ENG. EXPT.
        STATION, UNIV. OF WISC. (1954) <43.0, 90.2>

HIGGINS, T.J., REITAN, D.K.

   1   CALCULATIONS OF THE CAPACITANCE OF A CIRCULAR ANNULUS BY
        THE METHOD OF SUBAREAS, TRANS. A. I. E. E. 70(1951),
        926-933, MR:15-272 <43.0, 90.2, 92.5>

HIGGINS, T.P.

   1   FRACTIONAL INTEGRATION OPERATORS AND A HYPERGEOMETRIC
        FUNCTION TRANSFORM, BOEING REPT. NO. D1-82-0251 (1963),
        * <64.5>

   2   AN INVERSION INTEGRAL FOR A GEGENBAUER TRANSFORMATION,
        J. SOC. INDUST. APPL. MATH. 11 (1963), 886-893,
        MR:28-2413 <64.5>

   3   A HYPERGEOMETRIC FUNCTION TRANSFORM, J. SOC. INDUST.
        APPL. MATH. 12 (1964), 601-612, MR:30-4125 <64.5>

HIGGS, L.A.   (SEE - ROLLETT, J.S.)

HILBERT, D.   (SEE ALSO - COURANT, R.)

   1   GRUNDZUGE EINER ALLGEMEINEN THEORIE DER LINEAREN
        INTEGRALGLEICHUNGEN, LEIPZIG (1912), CHELSEA (1953),
        MR:15-37 <01.0>

HILDEBRAND, F.B.   (SEE ALSO - CROUT, P.D.)

   1   METHODS OF APPLIED MATHEMATICS, PRENTICE-HALL ,2ND. ED.
        (1965), MR:15-204 <02.0>

   2   NOTE ON THE INTEGRO-DIFFERENTIAL EQUATION OF A PROBLEM
        IN THE THEORY OF PLANE STRESS, J. MATH. PHYS. 21 (1942),
        19-22, MR:4-84

   3   THE APPROXIMATE SOLUTION OF SINGULAR INTEGRAL EQUATIONS
        ARISING IN ENGINEERING PRACTICE, PROC. AMER. ACAD. ARTS.
        SCI. 74 (1941), 287-295, MR:3-154 <43.0>

   4   A LEAST SQUARES PROCEDURE FOR THE SOLUTION OF THE
        LIFTING-LINE INTEGRAL EQUATION, TECH. NOTES NAT. ADV.
        COMM. AERONAUT. 925(1944), MR:7-220 <45.2, 50.0>

HILDEBRAND, F.B., CROUT, P.D.

   1   A LEAST SQUARE PROCEDURE FOR SOLVING INTEGRAL EQUATIONS
        BY POLYNOMIAL APPROXIMATION, J. MATH. PHYS. 20 (1941),
        310-335, MR:3-154 <45.2>

HILDEBRAND, F.B., GRAVES, L.M.

   1   IMPLICIT FUNCTIONS AND THEIR DIFFERENTIALS IN GENERAL
        ANALYSIS, TRANS. AMER. MATH. SOC. 29 (1927), 127-153
        <34.0>

HILDEBRANDT, T.H.

   1   ON SYSTEMS OF LINEAR DIFFERENTIO-STIELTJES-INTEGRAL
        EQUATIONS, ILLINOIS J. MATH. 3(1959), 352-373, MR:21-4339

HILZMAN, J.

   1   ERROR BOUNDS FOR AN APPROXIMATE SOLUTION TO THE VOLTERRA
        INTEGRAL EQUATION, PAC. J. MATH. 10 (1960), 203-207,
        MR:22-1801 <13.0>

HINCHEY, F.A., MCCALLA, T.M.
1 ON THE FINITE RANGE WEINER-HOPF EQUATION, J. MATH. PHYS.
SCI. 3(1969), 200-204, MR:40-4709 <71.0, 77.0>
HIRSCH, P.M. (SEE - LESEM, L.B.)
HIRSCHBERG, M.H. (SEE - MENDELSON, A.)
HIRSCHFELDER, J.O., BROWN, W.B., EPSTEIN, S.T.
1 ADVANCES IN QUANTUM CHEMISTRY, ACADEMIC PRESS 1(1964),
255-
HIRSCHMAN, I.T.
1 THE ASYMPTOTIC BEHAVIOR OF FINITE SECTION WIENER-HOPF
EQUATIONS, ABSTRACT SPACES AND APPROXIMATION (PROC.
CONF. OBERWOLFACH, 1968), 31-52, BIRKHAUSER, BASEL, 1969,
MR:41-4308 <77.0, 81.0>
HOCHSTADT, H.
1 ON THE EIGENVALUES OF A CLASS OF INTEGRAL EQUATIONS
ARISING IN LASER THEORY, SIAM REV. 8 (1966)62-65,
MR:32-8078 <77.7>
HOFSOMMER, D.J.
1 ON THE DIFFRACTION BY A HALF PLANE SCREEN, MATHEMATISCH
CENTRUM AMSTERDAM REPT. TW 68 (1960) <96.2>
2 DIFFRACTION OF LINE-SOURCE RADIATION BY A METALLIC SHEET,
MATHEMATISCH CENTRUM AMSTERDAM PEPT. TW 92 (1962)
<96.2>
3 ON THE DIFFRACTION BY A SLIT OR A RIBBON, MATHEMATISCH
CENTRUM AMSTERDAM REPT. TW 69 (1961) <96.2>
HOHEISEL, G.
1 INTEGRALGLEICHUNGEN, WALTER DE GRUYTER AND CO. BERLIN
(1963), TRANSL. UNGAR AND NELSON (1957), MR:38-1481
<01.0>
HOHN, E.
1 NUMERISCHE UNTERSUCHUNGEN ZU DEN VON J. DORR ANGEGEBENEN
INTEGRALGLEICHUNGEN, Z. ANGEW. MATH. MECH. 38 (1958),
175-179, MR:20-131 <77.0, 87.0>
HOLFORD, R.L.
1 SHORT SURFACE WAVES IN THE PRESENCE OF A FINITE DOCK. I.,
PROC. CAMB. PHIL. SOC. 60 (1964), 957-983, II, IBID. 60
(1964), 985-1011, MR:29-4342 <112.5>
HONG, S.
1 ASYMPTOTIC THEORY OF ELECTROMAGNETIC AND ACOUSTIC
DIFFRACTION BY SMOOTH CONVEX SURFACES OF VARIABLE
CURVATURE, J. MATH. PHYS. 8(1967), 1223- <95.5>
HONL, H., MAUE, A.-W., WESTPFAHL, K.
1 THEORIE DER BEUGUNG, HANDBUCH DER PHYSIK. 25 (1961),
350-363 <95.0, 96.0, 97.0>
HONL, H., WESTPFAHL, K.
1 FORTENTWICKLUNG DER KIRCHHOFFSCHEN BEUGUNGSTHEORIE ZU
LINEAR STRENGEN THEORIE, SONDERDRUCK AUS DER
MAX-PLANCK-FESTSCHRIFT (1958), 35-54 <96.5>
HOOGSTRATEN, H.W.
1 UNIFORMLY VALID APPROXIMATIONS IN TWO-DIMENSIONAL
SUBSONIC THIN AIRFOIL THEORY, J. ENG. MATH. 1(1967),
51-26, AMR:21-5705 <108.0>

HOPF, E.   (SEE ALSO - WIENER, N.)
    1   REMARKS ON MY PAPER '' AN INEQUALITY FOR POSITIVE LINEAR
        INTEGRAL OPERATORS ''., J. MATH. MECH. 12 (1963),
        889-892, MR:29-3884 <24.0>
    2   AN INEQUALITY FOR POSITIVE LINEAR OPERATORS, J. MATH.
        MECH. 12(1963), 683-692, MR:29-2614 <24.0>
    3   REPEATED BRANCHING THROUGH INSTABILITY, AN EXAMPLE,
        PROC. CONFEF. DIFF. EQNS., UNIV. MARYLAND (1955), 46-56
        <31.0>
HORIUCHI, K.
    1   NONLINEAR INTEGRAL EQUATIONS FOR CONTROL SYSTEMS WITH
        NONLINEAR FEEDBACK COUPLINGS, A CONTINUATION FROM LOWER
        ORDER EQUATIONS, MEM. SCHOOL SCI. ENGRG. WASEDA UNIV.,
        TOKYO 32(1968), 65-75, MR:40-3226 <37.5, 124.0>
HORVAY, G.
    1   THE EFFECT OF DISCONTINUOUS BIOT NUMBER ON THE THE
        TEMPERATURE DISTRIBUTION IN MOVING SLABS, GENERAL
        ELECTRIC. RES. LAB REPRINT 4002 <71.0, 120.0>
    2   TEMPERATURE DISTRIBUTION IN A SLAB MOVING FROM A CHAMBER
        AT ONE TEMPERATURE TO A CHAMBER AT ANOTHER TEMPERATURE,
        TRANS. ASME (J. HEAT TRANS.) 83C(1961), 391-402,
        AMR:15-4189 <71.0, 120.0>
HORVAY, G., DACOSTA, M.
    1   TEMPERATURE DISTRIBUTION IN A CYLINDICAL ROD MOVING FROM
        A CHAMBER AT ONE TEMPERATURE TO A CHAMBER AT ANOTHER
        TEMPERATURE, J. HEAT TRANSFER (TRANS. ASME) 86C(1964),
        256-270, AMR:17-6000 <71.0, 120.0>
HOVANSKII, A.N.
    1   ON A GENERALIZATION OF ABEL'S INTEGRAL EQUATION, DOKL.
        AKAD. NAUK SSSR 50 (1945), 69-70., MR:14-562 <64.5>
    2   ON A GENERALIZATION OF ABEL'S INTEGRAL EQUATION, DOKL.
        AKAD. NAUK SSSR(N.S.), 50(1945), 69-70, MR:14-562 <15.0>
HOWARD, H.C.   (SEE - GILBERT, R.P.)
HOWLAND, J.L.
    1   SYMMETRIZING KERNELS AND THE INTEGRAL EQUATIONS OF THE
        FIRST KIND OF CLASSICAL POTENTIAL THEORY, PROC. AMER.
        MATH. SOC. 19 (1968), 1-7, MR:36-4008 <90.0>
HSIEH, E.P.C.
    1   ALGORITHM FOR SOLVING VOLTERRA INTEGRAL EQUATIONS MET IN
        PROCESS IDENTIFICATION, CAMBRIDGE ELECTRONIC SYSTEMS
        LAB., M. I. T. ESL-R-209, 49R (1964), D. D. C. AD-609864,
        52P (1964) <13.0>
HUANG, C., KODIS, R.D., LEVINE, H.
    1   DIFFRACTION BY APERTURES, J. APPL. PHYS. 26 (1955),
        151-165, MR:16-773 <48.5, 97.0>
HUANG, S.-S.
    1   THE VARIATIONAL METHOD FOR PROBLEMS OF RADIATIVE
        TRANSFER, 1. ISOTROPIC SCATTERING WITH A CONSTANT NET
        FLUX, ASTROPHYS. J. 117 (1953), 211-214, MR:14-765
        <48.5, 119.4>

 2 THE VARIATIONAL METHOD FOR PROBLEMS OF RADIATIVE
    TRANSFER. 11. THE FORMATION OF ABSORPTION LINES IN THE
    MILNEEDDINGTON MODEL, ASTROPHYS. J. 117 (1953), 215-220,
    MR:14-765 <48.5, 119.4>
 3 THE VARIATIONAL METHOD FOR PROBLEMS OF RADIATIVE
    TRANSFER. 111. REFLECTION EFFECT, ASTROPHYS. J. 117
    (1953) 221-224., MR:14-765 <48.5, 119.4>
HUBER, A.
 1 EINE NAHERUNGSMETHODE ZUR AUFLOSUNG VOLTERRASCHER
    INTEGRALGLEICHUNGEN, MONATS. MATH. PHYS. 47(1939),
    240-246 <13.0>
HUDAK, JU.T.
 1 REGULARIZATION OF SOLUTIONS OF INTEGRAL EQUATIONS OF THE
    FIRST KIND (RUSSIAN), Z. VYCISL. MAT. I. MAT. FIZ. 6
    (1966), 766-769, MR:34-1812 <56.?>
HUFF, R.W.   (SEE - CULLER, G.J.)
HUNG, H.S.
 1 APPLICATION OF LINEAR SPLINE FUNCTIONS TO THE NUMERICAL
    SOLUTION OF VOLTERRA INTEGRAL EQUATIONS OF THE SECOND
    KIND, COMP. SCI. TECH. REPT. 27 (1968), UNIV. OF WISC.
    <13.0>
HUNT, G.E.
 1 THE TRANSPORT EQUATION OF RADIATIVE TRANSFER WITH
    ISOTROPIC SCATTERING. THE SOLUTION OF THE AUXILIARY
    EQUATION BY A GREEN'S FUNCTION METHOD, PROC. CAMB.
    PHILOS. SOC. 65(1969), 199-208, MR:38-6319 <78.0, 119.3>
HUNT, W.B.
 1 NUMERICAL SOLUTION OF AN INTEGRAL EQUATION FOR FLOW FROM
    A CIRCULAR ORIFICE, J. FLUID. MECH. 31(1968) <113.5>
HUNTER, S.C.   (SEE - BERRY, D.S.)
HURD, R.A.
 1 A NOTE ON THE DIFFRACTION OF A SCALAR WAVE BY A SMALL
    CIRCULAR APERTURE, CAN. J. PHYS. 39 (1961), 1065-1070,
    MR:23-B1350 <97.0>
HUSSAIN, M.   (SEE - NOBLE, B.)
HUTSON, V.
 1 ASYMPTOTIC SOLUTIONS OF INTEGRAL EQUATIONS WITH
    CONVOLUTION KERNELS, PROC. EDINBURGH MATH. SOC. (2) 14
    (1964/65), 5-19, MR:29-3843 <71.0, 77.0, 81.0>
 2 ON A GENERALIZATION OF THE WIENER-HOPF INTEGRAL EQUATION,
    J. MATH. MECH. 14(1965), 807-819, MR:32-1525 <72.0,
    76.0, 81.0>
 3 THE ASYMPTOTIC SOLUTION OF A CLASS OF INTEGRAL EQUATIONS,
    J. MATH. ANAL. APPL. 20 (1967), 380-396, MR:36-3173
    <81.0>
 4 ON THE FREDHOLM INTEGRAL EQUATION ASSOCIATED WITH PAIRS
    OF DUAL INTEGRAL EQUATIONS, PROC. EDIN. MATH. SOC.
    16(1968/69), 185-194, MR:40-6209 <67.0, 81.0>
HVEDELIDZE, B.V.   (SEE - MANDZHAVIDZE, G.F.)
HYERS, D.H.   (SEE - FRIEDRICHS, K.O.)
HYETT, B.J.   (SEE - SPREITER, J.R.)

HYLLERAAS, E.A.
    1   ON THE INVERSION OF EIGENVALUE PROBLEMS, ANN. PHY.
        25(1963), 309-324, MR:28-2798 <116.0>
IAVORSKAIA, I.M.
    1   THE SHORT WAVE ASYMPTOTIC SOLUTION FOR THE DIFFRACTED
        FIELD DUE TO PLANE TRANSVERSE WAVES INCIDENT ON A SPHERE,
        P.M.M. 29 (1965)T 1023-1034 TRANS. J. APPL. MATH. MECH.
        1206-121
IGARASHI, A.
    1   SIMULTANEOUS WIENER-HOPF EQUATIONS AND THEIR APPLICATION
        TO DIFFRACTION PROBLEMS IN ELECTROMAGNETIC THEORY, J.
        PHYS. SOC. JAPAN 19 (1964), 1213-1221, MR:31-3809 <70.8,
        96.0>
    2   SIMULTANEOUS WIENER-HOPF EQUATIONS AND THEIR APPLICATION
        TO DIFFRACTION PROBLEMS IN ELECTROMAGNETIC THEORY IV, J.
        PHYS. SOC. JAPAN 26(1969), 549-560, MR:38-6324 <70.8>
IGLISCH, R.
    1   REELE LOSUNGSFELDER DER ELLIPTSCHEN
        DIFFERENTIALGLEICHUNG UND NICHTLINEARER
        INTEGRALGLEICHUNGEN, MATH. ANN. 101 (1929), 98-119
        <26.0>
    3   EXISTENZ-UND EINDEUTIGKEITSSAT E BEI NICHTLINEAREN
        INTEGRALGLEICHUNGEN, MATH. ANN. 108 (1932), 161-189
        <26.0>
    4   ZUR TOPOLOGIE DER VERZWEIGUNG LOSUNGEN EINER
        NICHTLINEAREN INTEGRALGLEICHUNG, JAHRES. D. DEUTSCHEN
        MATH. VEREIN., 41 (1931), 245-254 <27.0>
    5   ZUR THEORIE DER REELEN VERZWEIGUNGEN VON LOSUNG
        NICHTLINEARER INTEGRALGLEICHUNGEN, J. REINE UND ANG.
        MATH. 164 (1931), 151-172, MR:1-338 <27.0>
    6   UBER DIE LOSUNGEN DES DUFFINGSCHEN SCHWINGSPROBLEMS BEI
        GROSSEN PARAMETERWERTEN, MATH.ANN. 111(1935),568-581
        <115.0>
    6   UBER DIE VIELFACHEIT EINER LOSUNG IN DER THEORIE DER
        NICHLINEAREN INTEGRALGLEICHUNG VON E. SCHMIDT, JAHRES.
        D. MATH. VEREIN 39 (1930), 65-72 <27.0>
    6   UBER LINEARE INTEGRALGLEICHUNGEN MIT VOM PARAMETER
        ABHANGIGEM KERN, MATH. ANN. 117 (1939), 129-139,
        MR:1-238 <24.5>
    7   VERZWEIGUNG PERIODISCHER LOSUNGEN NICHTLINEARER
        SCHWINGUNGSGLEICHUNGEN, MATH. ANN. 114 (1937), 194-226
        <27.0>
    9   ZUR THEORIE DER REELEN VERZEIGUNGEN VON LOSUNGEN
        NICHTLINEARER INTEGRALGLEICHUNGEN, JOURNAL FUR DIE REINE
        AND ANGEWANDTE MATH. 164 (1931), 150-172 <27.0>
    9   ZUR THEORIE DER SCHWINGUNGEN, I. MONATSCHEFTE 37(1930),
        325-342; II. MONAT. 39(1932), 173-220; MONAT. 42(1935),
        7-36 <27.0, 115.0>
   10   ZUR PRAKTISCHEN BEHANCLUNG VON RANDWERTAUFGABEN
        GEWOHNLICHEN LINEARER DIFFERENTIALGLEICHUNGEN MIT NICHT
        KONSTANTEN KOEFFIZIENTEN, ZAMM 14 (1934) 51-58 <89.0>
   11   DIE DETERMINANTENFREIEN SATZE BEI LINEAREN
        INTEGRALGLEICHUNGEN, MATH. ANN. 110 (1934) 223-229
        <22.0>

12 DIE ERSTE RESONANTKURVE BEIM DUFFINGSCHEN
      SCHWINGUNGSPROBLEM, MATH. ANN. 112 (1935), 221-246
      <27.0, 115.0>
14 BEMERKUNGEN ZU EINIGEN VON HERRN COLLATZ ANGEGEBENEN
      EIGENWERTABSCHATZUNGEN BEI LINEAREN INTEGRALGLEICHUNGEN,
      MATH. ANN. 118 (1941), 263-275, MR:5-267 <54.0>
IKEBE, Y.
  1 THE GALERKIN METHOD FOR NUMERICAL SOLUTION OF FREDHOLM
      INTEGRAL EQUATION OF THE SECOND KIND, CENTER FOR
      NUMERICAL ANALYSIS, UNIVERSITY OF TEXAS, CNA-5 (OCT.
      1970) <44.0>
  2 THE GALERKIN METHOD FOR NUMERICAL SOLUTION OF FREDHOLM
      INTEGRAL EQUATIONS OF THE SECOND KIND, REPORT CNA-5,
      CENTER FOR NUMERICAL ANALYSIS, UNIV. OF TEXAS, AUSTIN,
      1970 <44.0, 48.5>
IKEBE, Y., LYNN, S.M., TIMLAKE, W.P.
  1 THE NUMERICAL SOLUTION OF THE INTEGRAL EQUATION
      FORMULATION OF THE SINGLE INTERFACE NEUMANN PROBLEM,
      SIAM J. NUMER. ANAL. 6(1969), 334-346 <53.1, 90.3>
ILYUSHIN, A.A.
  1 SOME PROBLEMS IN THE THEORY OF PLASTIC DEFORMATIONS,
      PRIKL. MAT. MECH. 7 (1943), 245-272, MR:6-252 <106.0>
ILYUSHIN, A.A., OGIBALON, P.M.
  1 SMALL PARAMETER METHOD AND THE THEORY OF NONLINEAR
      VISCOELASTICITY, PRIKL. MEKH. 2, 5(1966), 1-4 <106.0>
INGARD, K.U.   (SEE - MORSE, P.M.)
INGRAM, W.H.
  1 NOTE ON THE INTEGRAL EQUATION OF THE ELECTRICAL
      TRANSMISSION LINE, PHILOS. MAG. (7) 38(1947),61-64,
      MR:9-253
  2 ON THE INTEGRAL EQUATIONS OF CONTINUOUS DYNAMICAL
      SYSTEMS, PHILOS. MAG. (7) 30 (1940), 16-38, MR:2-99
      <54.0>
  3 ON THE INTEGRAL EQUATIONS OF CONTINUOUS DYNAMICAL
      SYSTEMS, PROC. NAT. ACAD. SCI. U.S.A. 30 (1944), 370-376,
      MR:6-158 <54.0>
ISAACSON, E.   (SEE - EVANS, G.W.)
ISAACSON, E., GROSSMAN, K.G.
  1 THE NUMERICAL SOLUTION OF A SINGULAR INTEGRAL EQUATION,
      SYMPOSIUM PROVIS. INT. COMP. CENTRE, BIRKHAUSER VERLAG
      (1960),300-305, MR:23-B599 <50.0, 110.0>
ISAHANOV, P.S.
  1 ON A CLASS OF SINGULAR INTEGRODIFFERENTIAL EQUATIONS,
      DOKL. AKAD. NAUK. SSSR 132 (1960), 264-267 SOVIET MATH.
      DOKL. 1 529-532, MR:23-A493 <25.0, 30.0>
  2 A CLASS OF SINGULAR INTEGRAL EQUATIONS, SOOKSC. AKAD.
      NAUK GRUZIN. SSR 20(1958), 9-12, MR:20-4747 <25.0>
ISAY, W.H.
  1 BEITRAG ZUR POTENTIALSTROEMUNG DURCH AXIALE
      SCHAUFELGITTER, Z. ANGEW. MATH. MECH. 33(1953) 397-409,
      AMR:7-3621 <108.0>
ISMAILOV, M.A.   (SEE - BELONOSOV, S.M.)

ITKIM, I.
1   APPROXIMATE METHODS FOR SOLVING LINEAR AND NONLINEAR
    MULTI DIMENSIONAL INTEGRAL EQUATIONS AND BOUNDARY VALUE
    PROBLEMS, WAPD-T-1764 (1964), 297, BELT'S ATOMIC POWER
    LAB., WESTERN ELECTRIC CORPORATION, PITTSBURGH,
    PENNSYLVANIA
ITO, K.
1   ON A STOCHASTIC INTEGRAL EQUATION, PROC. JAPAN ACAD. 22
    NOS. 1-4 (1946), 32-35, MR:12-191 <122.0>
IURCHENKO, S.I.
1   THE MIXED OSCILLATION PROBLEM FOR AN INFINITE PLATE OF
    UNIT WIDTH, J. APPL. MATH. MECH. (PPM) 27 (1963),
    1459-1467, MR:28-3577 <104.3>
IVANICKII, V.G.
1   ON A METHOD FOR SOLVING SINGULAR INTEGRAL EQUATIONS WITH
    A HILBERT KERNEL, DOPOVIDI AKAD. NAUK UKRAIN. RSR SER.
    A(1968), 586-590, MR:38-6320 <43.0, 78.0>
IVANOV, V.K.   (SEE ALSO - ARSENIN, V.JA.)
1   APPROXIMATE SOLUTION OF OPERATOR EQUATIONS OF THE FIRST
    KIND, Z. VYCISL. MAT. I MAT. FIZ. 6 (1966), 1089-1094,
    MR:34-6587 <56.2>
2   FREDHOLM INTEGRAL EQUATIONS OF THE FIRST KIND,
    DIFFERENCIAL'NYE URANENIJA 3 (1967), 410-421, MR:37-6706
    <56.2>
3   ON THE SOLUBILITY OF THE INVERSE PROBLEM OF THE
    LOGARITHMIC POTENTIAL IN FINITE FORM, DOKL AKAD. NAUK.
    SSSR (N. S.)106 (1956), 598-599, MR:18-122
4   INTEGRAL EQUATIONS OF THE FIRST KIND AND APPROXIMATE
    SOLUTION OF THE INVERSE PROBLEM OF POTENTIAL THEORY,
    DOKL. AKAD. NAUK. SSSR 142 (1962), 998-1000, MR:24-A2212
    <90.8>
5   THE APPLICATION OF PICARD'S METHOD TO THE SOLUTION OF
    INTEGRAL EQUATIONS OF THE FIRST KIND, BUL. INST.
    POLITEHN. IASI. (N.S.) 14(1968), FASC. 3-4,71-78,
    MR:40-7745 <56.0>
IVANOV, V.V.
1   AN APPROXIMATE SOLUTION OF SINGULAR INTEGRAL EQUATIONS,
    DOKL. AKAD. NAUK SSSR (N.S) 110(1956), 15-18, MR:18-906
    <50.0>
2   APPROXIMATE SOLUTION OF SINGULAR INTEGRAL EQUATIONS WHEN
    THE INTEGRAL IS NOT TAKEN ALONG A CLOSED CONTOUR, DOKL.
    AKAD. NAUK SSSR 111 (1956), 933-936, MR:19-152 <50.0>
3   METHOD OF APPROXIMATE SOLUTION OF SYSTEMS OF SINGULAR
    INTEGRAL EQUATIONS, ZH. VYCH. MAT. I. MAT. FIZ. 3 (1963),
    664-682 TRANSL. USSR COMP. MATH. AND MATH. PHYS.
    892-917, MR:27-2823 <50.0>
4   ON THE WIENER-HOPF EQUATION OF THE FIRST KIND, DOKL.
    AKAD. NAUK SSSR 151 (1963), 489-492, MR:27-5099 <70.0>
5   METHODS OF APPROXIMATE SOLUTION OF SINGULAR INTEGRAL
    EQUATIONS, MATHEMATICAL ANALYSIS 1963, 125-177 AKAD.
    NAUK SSSR INST. NAUCN. INFORMACII MOSCOW (1965),
    MR:32-8086 <50.0>

6   SCATTERING OF LIGHT IN AN ATMOSPHERE OF FINITE OPTICAL
        THICKNESS. ASTRONOM. Z. 41(1964), 1097-1107, TRANSL.
        SOVIET ASTRONOM. AJ8(1965), 874-881, MR:32-3831 <119.0>
7   APPLICATION OF THE THEORY OF BOUNDARY VALUE PROBLEMS AND
        SINGULAR INTEGRAL EQUATIONS IN THE THEORY OF AUTOMATIC
        CONTROL, DIFFERENCIAL'NYE URAVNENIJA 1(1965), 1099-1107,
        MR:32-9126 <71.0>
IVANOV, V.V., KARAGODOVA, E.A.
1   APPROXIMATE SOLUTION OF SINGULAR INTEGRAL EQUATIONS OF
        CONVOLUTION TYPE BY GALERKIN'S METHOD. UKRAIN. MAT. Z.
        13(1961), 28-38, MR:25-1415 <25.0, 48.5>
IWASAKI, A.   (SEE ALSO - SATO, T.)
1   ON NON-LINEAR INTEGRAL EQUATIONS OF VOLTERRA TYPE.
        FUNKCIAL EKVAC. 3 (1960/61), 105-114, MR:26-561 <11.0>
IWASAKI, A., SATO, T.
1   SUR L'EQUATION INTEGRALE DE VOLTERRA, PROC. JAPAN ACAD.
        31 (1955), 395-398 <11.0>
IYENGAR, K.S.K.
1   EXACT SOLUTION OF THE EQUATIONS OF THE GENERAL CASCADE
        THEORY WITH COLLISION LOSS, PROC. INDIAN ACAD. SCI.
        SECT. A 15 (1942), 195-229, MR:4-30 <117.0>
2   A FOURIER-INTEGRAL SOLUTION FOR THE ELASTIC QUARTER
        PLANE. ABSTRACT, UNPUBLISHED
JACKSON, J.D.
1   INTRODUCTION TO DISPERSION RELATION TECHNIQUES, IN
        DISPERSION RELATIONS, ED. G. R. SCREATON, OLIVER AND
        BOYD (1960), 1-63, MR:23-B882 <116.8>
JACOB, M., CHEW, G.F.
1   STRONG-INTERACTION PHYSICS, BENJAMIN (1964) <116.8>
JACOBS, W.R.   (SEE - TSAKONAS, S.)
JAECKEL, K.
1   AUFLOSUNG DER PRANDTLSCHEN ZIRKULATIONS GLEICHUNG DURCH
        TRIGONOMETRISCHE REIHEN, LUFTFAHRTFORSCHUNG 17 (1940),
        47-53, ALSO P.81., MR:2-313 <50.0, 108.0>
2   AUSWERTUNG DER ACKERMANN-BIRNBAUMSCHEN INTEGRALGLEICHUNG
        MIT HILFE EINER INTERPOLATIONSFORMEL, 7. FLUGWISS. 3
        (1955), 46-48 <50.0, 108.0>
3   ERMITTLUNG EINER REIHENDARSTELLUNG DES KERNES LN(R) IN
        ELLIPTISCHEN KOORDINATEN, 7. ANGEW. MATH. MECH. 30
        (1950), 184-187, MR:12-107 <77.0>
4   HERLEITUNG VON UMKEHRFORMELN UND IDENTITATEN ZUR
        BEHANDLUNG BESONDERER INTEGRALGLEICHUNGEN, 7. ANGEW.
        MATH. MECH. 35 (1955), 474-475, MR:17-861 <77.0, 108.0>
5   UBER DIE EIGENLOSUNGEN GEWISSER INTEGRALGLEICHUNGEN DER
        POTENTIAL THEORIE, J. REINE. ANGEW. MATH. 189 (1951),
        141-149, MR:13-951 <77.0, 108.0>
6   UBER DIE BESTIMMUNG DER ZIRKULATIONSVERTEILUNG FUR DEN
        ZWEIDIMENSIONALEN TRAGFLUGEL BEI BELIEBIGEN PERIODISCHEN
        BEWEGUNGEN, LUFTFAHRTFORSCHUNG 16 (1939) 53-57 <108.0>
7   UBER DIE BESTIMMUNG DER ZIRKULATIONSVERTEILUNG,
        LUFTFAHRTFORSCHUNG 18 (1941) 135-138 <108.0>
8   ZUR THEORIE DER TRAGENDEN LINIE IM INSTATIONAREN,
        LUFTFAHRTFORSCHUNG 19 (1942) 57-63, MR:4-120 <108.0>

JAIN, D.L., KANWAL, R.P.
1 ACOUSTIC DIFFRACTION BY A RIGID ANNULAR DISK, J. ENG.
       MATH. 4(1970), 219-228 <92.5, 97.0>
JAIN, J.L.   (SEE - VARGA, R.S.)
JAKOLEV, M.N.
1 ON THE SOLUTION OF NON-LINEAR EQUATIONS BY AN ITERATION
       METHOD, SIBIRSK. MAT. Z. 5 (1964), 1428-1430, MR:30-474
       <49.8>
2 ON THE SOLUTION OF NON-LINEAR EQUATIONS BY ITERATION,
       DOKL. AKAD. NAUK. SSSR 156 (164), 522-524 TRANS. SOVIET
       MATH. 5 (1963), 697-699, MR:29-728 <49.8>
JAMES, R.L.
1 THE NUMERICAL SOLUTION OF SINGULAR VOLTERRA INTEGRAL
       EQUATIONS, SIAM J. NUM. ANAL. 5 (1968), 352-362,
       MR:37-3794 <13.0>
JAMES, R.W., BELZ, M.H.
1 THE INFLUENCE OF DISTRIBUTED LAGS ON KALECKI'S THEORY OF
       THE TRADE CYCLE, ECONOMETRICA 6(1938), 159-162 <121.0>
JANCEL, R., KAHAN, T.
1 RELATIONS ENTRE LES DIVERSES SOLUTIONS DE L'EQUATION
       INTEGRO-DIFFERENTIELLE DE BOLTZMANN, C. R. ACAD. SCI.
       PARIS 254 (1962), 1929-1931, MR:25-420 <119.2>
JANET, M.
1 EQUATIONS INTEGRALES ET APPLICATIONS A CERTAINS
       PROBLEMES DE LA PHYSIQUE MATHEMATIQUE, MEMOR. SCI. MATH.
       NOS. 101 AND 102 GAUTHIER-VILLARS, PARIS (1941),
       MR:7-206 <01.0>
JANIKOWSKI, J.
1 EQUATION INTEGRALE NON LINEAIRE D'ABEL, BULL. SOC. SCI.
       LETTRES LODZ 13 (1962), 8, MR:29-440 <15.0>
JANTSCHER, L.
1 UBER DAS ASYMPTOTISCHE VERHALTEN DER LOSUNGEN LINEARER
       INTEGRALGLEICHUNGEN, J. REINE ANGEW. MATH. 221 (1962),
       48-53, MR:27-6095 <82.0>
JANUSAUSKAS, A.
1 A CLASS OF SINGULAR INTEGRAL EQUATIONS, DOKL. AKAD. NAUK
       SSSR 166 (1966), 566-569 TRANSL. SOVIET MATH. DOKL. 7
       (1966), 145-149, MR:33-523 <25.0>
JASWON, M.A.
1 INTEGRAL EQUATION METHODS IN POTENTIAL THEORY I, PROC.
       ROY. SOC. A 275 (1963), 23-32, MR:27-4034 <90.2>
JASWON, M.A., FOREMAN, A.J.E.
1 THE NON-HOOKEAN INTERACTION OF A DISLOCATION WITH A
       LATTICE INHOMOGENEITY, PHIL. MAG. 43 (1952), 201-220,
       MR:13-890
JASWON, M.A., MAITI, M.
1 AN INTEGRAL EQUATION FORMULATION OF PLATE BENDING
       PROBLEMS, J. ENG. MATH. 2 (1968), 83-93 <104.2>
JASWON, M.A., PONTER, A.R.S.
1 AN INTEGRAL EQUATION SOLUTION OF THE TORSION PROBLEM,
       PROC. ROY. SOC. 273 (1963), 237-266, MR:26-7214 <94.7>

JEFFERIES, J.T., ORRALL, F.Q.
1   THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF
        THE FIRST KIND, L. G. HANSCOM FIELD AIR FORCE CAMB. RES.
        LABS
JEGGLE, H.
1   ZUR DISKRETISIERUNG EINER KLASSE FREDHOLMSCHER
        INTEGRALGLEICHUNGEN MIT SINGULAREM WERT DER ORDNUNG - I.,
        NUM. MATH. 11(1968), 427-443   <45.9,   90.3>
2   UBER DIE NUMERISCHE LOSUNG DES INNEREN NEUMANSCHEN
        PROBLEMS, ZAMM 47 (1967), T54-57   <45.9,   90.3>
JENTZSCH, R.
1   UBER INTEGRALGLEICHUNGEN MIT POSITIVEN KERN, JOURN. F.
        MATH. 141 (1912) 235-244   <24.0>
JOHN, F.
1   INTEGRAL EQUATIONS, MATH. APPLIED TO PHYSICS(1970),
        316-347, SPRINGER, MR:41-5903   <02.0>
JOHNSON, B.R.
1   A NEW METHOD FOR COMPUTING INELASTIC MOLECULAR
        SCATTERING WITH APPLICATIONS TO ATOM-DIATOM AND
        DIATOM-DIATOM COLLISIONS, THESIS, URBANA,ILLINOIS (1967)
        <59.6, 116.0>
JOHNSON, H.L., DEPREE, J.D.
1   A WIENER-HOPF TECHNIQUE FOR A CLASS OF NON-HOMOGENEOUS
        LINEAR DIFFERENCE-DIFFERENTIAL-INTEGRAL EQUATIONS, J.
        MATH. ANAL. APPL. 18(1967), 524-541, MR:35-693   <71.0>
JOHNSON, M.W.   (SEE - BUECKNER, H.F.)
JONES, B.F.   (SEE ALSO - DOUGLAS, J.,JR.)
1   THE DETERMINATION OF A COEFFICIENT IN A PARABOLIC
        DIFFERENTIAL EQUATION, I., J. MATH. MECH. 11.(1962),
        907-918 II. , (WITH J. DOUGLAS) IBID. 919-926
JONES, C.E., TIKTOPOULOS, G.
1   NUMERICAL SOLUTION OF NON-FREDHOLM (SINGULAR) INTEGRAL
        EQUATIONS BY MATRIX INVERSION, J. MATH. PHYS. 7(1966),
        311-315, MR:32-3294   <42.0>
JONES, D.S.   (SEE ALSO - HEINS, A.E.)
1   SUPERSONIC FLOW AND WING-BODY INTERFERENCE, MATHEMATIKA,
        14(1967), 68-93, AMR:21-1168 <108.8>
2   A NEW METHOD FOR CALCULATING SCATTERING WITH PARTICULAR
        REFERENCE TO THE CIRCULAR DISC, COMM. PURE APPL. MATH. 9
        (1956), 713-746, MR:20-4411   <37.0>
3   A UNIQUENESS THEOREM, Q.J.M.A.M. 20 (1967), 135-136,
        AMR:22-1461   <97.5>
4   DIFFRACTION OF A HIGH-FREQUENCY PLANE ELECTROMAGNETIC
        WAVE BY A PERFECTLY CONDUCTING CIRCULAR DISC, PROC.
        CAMB. PHIL. SOC. 61 (1965), I47-270 NYU. RES. REPT.
        EM-189 (1963)   <97.5>
5   DIFFRACTION OF SHORT WAVELENGTHS BY A RIGID CIRCULAR
        DISK, QUART. J. MECH. APPL. MATH. 18 (1965), 191-208,
        MR:32-3459   <97.5>
6   GENERALIZED FUNCTIONS, MCGRAW-HILL (1966), MR:36-623
        <62.0>
7   GENERALIZED TRANSFORMS AND THEIR ASYMPTOTIC BEHAVIOR,
        PHIL. TRANS. ROY. SOC. A265(1969), 1-43,

8 HIGH-FREQUENCY DIFFRACTION OF THE RADIATION FROM A
NEARBY SOURCE, PROC. CAMB. PHIL. SOC. 63 (1967),
1145-1155 <97.5>

9 ON A CERTAIN SINGULAR INTEGRAL EQUATION. I., J. MATH.
AND PHYS. 43 (1964), 27-33, MR:28-4518 <78.0, 97.5>

10 ON A CERTAIN SINGULAR INTEGRAL EQUATION. II., J. MATH.
AND PHYS. 43 (1964), 263-273, MR:30-421 <78.0, 97.5>

11 SOME REMARKS ON HILBERT TRANSFORMS, J. INST. MATH. APPL.
1. (1965), 226-240, MR:32-8062 <62.8>

12 THE UNSTEADY MOTION OF A THIN AEROFOIL IN AN
INCOMPRESSIBLE FLUID, COMM. PURE AND APPL. MATH. 10
(1957), 1-21 <71.0, 108.0>

13 SOME REMARKS ON DIFFRACTION BY A DISC, ACTA PHYS. POLON.
27(1965), 137-145, MR:31-6527 <97.0>

JONES, G.S.
1 A FUNDAMENTAL INEQUALITY FOR GENERALIZED VOLTERRA
INTEGRAL EQUATIONS, AMER. MATH. SOC. NOTICES 10(1963),
445 <11.0>

JONES, J.G.
1 ON THE NUMERICAL SOLUTION OF CONVOLUTION INTEGRAL
EQUATIONS AND SYSTEMS OF SUCH EQUATIONS, MATH. COMP.
15(1961), 131-142, MR:22-12728 <13.0>

JONES, T.M.
1 VISCOELASTIC STRESSES DUE TO INTERNAL PRESSURIZATION OF
A SOLID PROPELLANT ROCKET GRAIN, 2ND SOUTH EAST CONF. ON
THEOR. AND APPL. MECHS. (1964) <106.0>

JONSSON, V.K.   (SEE - SPARROW, E.M.)

JORDAN, J.A.   (SEE - LESEM, L.B.)

JORGENS, K.
1 DIE INTEGRALGLEICHUNGEN DER MATHEMATISCHEN PHYSIK, Z.
ANGEW. MATH. MECH. 46 (1966), T10-T13, MR:36-626 <21.0>

JOST, R.
1 EINE BEMERKUNG UBER DEN ZUSAMMENHANG VON STREUPHASE UND
POTENTIAL, HELV. PHYS. ACTA. 29 (1956), 410-418,
MR:19-277 <116.0>

2 MATHEMATICAL ANALYSIS OF A SIMPLE MODEL FOR THE
STRIPPING REACTION, Z. ANGEW. MATH. PHYS. (1955),
316-326, MR:17-752 <72.0, 117.0>

JOST, R., PAIS, A.
1 ON THE SCATTERING OF A PARTICLE BY A STATIC POTENTIAL,
PHYS. REVIEW 82 (1951), 840-851, MR:13-414 <116.1>

JUNCOSA, M.L.
1 AN INTEGRAL EQUATION RELATED TO BESSEL FUNCTIONS, DUKE
MATH. J. 12 (1945), 465-471, MR:7-156 <87.0>

KAAZIK, JU.JA.
1 ON THE APPROXIMATE SOLUTION OF NONLINEAR OPERATOR
EQUATIONS BY ITERATIVE METHODS, USPEHI MAT. NAUK. 12
(1957) NO. 1 (73) 195-199, MR:19-687 <49.0>

KAC, M.
1 DISTRIBUTION OF EIGENVALUES OF CERTAIN INTEGRAL
OPERATORS, MICH. MATH. J. 3 (1955/56), 141-148, MR:19-70
<82.0>

  2 ON SOME CONNECTIONS BETWEEN PROBABILITY THEORY AND
      DIFFERENTIAL AND INTEGRAL EQUATIONS, PROC. 2ND SYMP.
      MATH. STAT. AND PROB. ED J. HEYMAN, UNIV. CALIF. PRESS
      (1951), MR:13-568 <12.0, 122.0>
KAC, M., MURDOCK, W.L., SZEGO, G.
  1 ON THE EIGENVALUES OF CERTAIN HERMITIAN FORMS, J. RAT.
      MECH. ANAL. 2(1953), 767-800, MR:15-538 <82.0>
KAC, M., POLLARD, H.
  1 THE DISTRIBUTION OF THE MAXIMUM OF PARTIAL SUMS OF
      INDEPENDENT RANDOM VARIABLES, CANADIAN J. MATH. 2 (1950),
      375-384, MR:12-114 <122.0>
KACHUROVSKII, R.I.   (SEE - VAINBERG, M.M.)
KACNER, A.
  1 A CLOSED SOLUTION OF SEMI-INFINITE PLATE WITH
      DISCONTINUOUS BOUNDARY CONDITIONS, I., ARCH. MECH. STOS.
      9(1957), 371-380, MR:19-1107 <104.3>
  2 A CLOSED SOLUTION IN THE CASE OF A SEMI-INFINITE PLATE
      WITH DISCONTINUOUS BOUNDARY CONDITIONS (II), ARCH. MECH.
      STOS. 10 (1958) 57-80, MR:20-504 <104.3>
KADNER, H.
  1 UNTERSUCHUNGEN ZU QUADRATURFORMELMETHODEN FUR LINEARE
      INTEGRALGLEICHUNGEN 2. ART AUF DER GRUNDLAGE DER
      KOLLOKATION, WISS. Z. TECHN. UNIV. DRESDEN 12 (1963),
      119-120, MR:29-3006 <42.0>
  2 DIE NUMERISCHE BEHANDLUNG VON INTEGRALGLEICHUNGEN NACH
      DER KOLLOKATIONS METHODE, NUMER. MATH. 10(1967), 241-260,
      MR:36-4848 <43.0>
KADOTA, T.T.   (SEE ALSO - SLEPIAN, D.)
  1 TERM BY TERM DIFFERENTIABILITY OF MERCER'S EXPANSION,
      PROC. AMER. MATH. SOC. 18(1967), 69-72, MR:34-3249
      <22.0>
KAGIWADA, H.H.   (SEE - BELLMAN, R.)
KAGIWADA, H.H., KALABA, R.E.
  1 A CAUCHY PROBLEM FOR FREDHOLM INTEGRAL EQUATIONS WITH
      KERNELS OF THE FORM K1/(T-Y) - K2/(T+Y), REPT. NO.
      RM-5600-PR, APR. (1968), RAND CORP. <59.4>
  2 AN INITIAL VALUE METHOD FOR FREDHOLM INTEGRAL EQUATION
      OF CONVOLUTION TYPE, REPT. NO. RM -5186-PR (NOV. 1966),
      RAND CORP. <59.4>
  3 AN INITIAL-VALUE METHOD SUITABLE FOR THE COMPUTATION OF
      CERTAIN FREDHOLM RESOLVENTS, REPT. NO. RM-5258-PR (JAN.
      1967), RAND CORP., J. MATH. AND PHYSICAL SCI. 1(1967)
      109-122, MR:37-1106 <21.8, 59.4>
  4 VERIFICATION OF THE INVARIANT IMBEDDING METHOD FOR
      CERTAIN FREDHOLM INTEGRAL EQUATIONS, J. MATH. AND APPL.
      23 (1968), 540-550 (RAND CORP. REP. RM-5556-PR, 1968)
      <59.4>
  5 DIRECT AND INVERSE PROBLEMS FOR INTEGRAL EQUATIONS WITH
      INITIAL-VALUE METHODS, REPT. NO. RM-5447-PR (OCT. 1967)
      RAND CORP. <59.4>

6 INITIAL VALUE METHODS FOR THE BASIC BOUNDARY VALUE
    PROBLEM AND INTEGRAL EQUATIONS OF RADIATION TRANSFER,
    REPT. NO. RM-4928-PR (FEB. 1966) RAND CORP. <59.4,
    119.7>
7 A PRACTICAL METHOD FOR DETERMINING GREEN'S FUNCTIONS
    USING HADAMARD'S VARIATIONAL FORMULA, J. OPTIMIZATION
    THEORY A PL. 1(1967), 33-39, MR:35-7588 <59.4>
8 INVARIANT EMBEDDING AND FREDHOLM INTEGRAL EQUATIONS WITH
    PINCHERLE-GOURSAT KERNELS, RAND CORP. SANTA MONICA,
    CALIF. REPT. NO. RM-5599-PR (APRIL, 1968) <59.4>
KAGIWADA, H.H., KALABA, R.E., SCHMITZKY, A.
    1 AN INITIAL-VALUE METHOD FOR FREDHOLM INTEGRAL EQUATIONS
        WITH DEGENERATE KERNELS, REPT. NO. RM-5516-PR (NOV.
        1967), RAND CORP. SANTA MONICA, CALIF. <59.4>
KAGIWADA, H.H., KALABA, R.F., SCHUMITZKY, A.
    1 AN INITIAL-VALUE METHOD FOR FREDHOLM INTEGRAL EQUATIONS,
        J. MATH. ANAL. AND APPL. 19 (1967), 197-203 RAND CORP.
        REPT. NO. RM5307-PR, MR:35-6388 <59.4>
    2 DIFFERENTIAL SYSTEMS FOR EIGENVALUES OF FREDHOLM
        INTEGRAL EQUATIONS, J. MATH. ANAL. AND APPL. 23 (1968),
        227-234 (RAND CORP. REPT. RM-5361-PR) <54.0, 59.4>
    3 AN INITIAL VALUE METHOD FOR FREDHOLM INTEGRAL EQUATIONS
        WITH DISPLACEMENT KERNELS: REFLECTION FUNCTIONS, REPT.
        NO. RM-5306-PR (APRIL 1967), RAND CORP. <59.4>
    4 A REPRESENTATION FOR THE SOLUTION OF FREDHOLM INTEGRAL
        EQUATIONS, REPT. NO. RM-5515-PR (NOV., 1967) RAND CORP.
        <22.0>
KAGIWADA, H.H., KALABA, R.E., SCHUMITZKY, A., SRIDHAR, R.
    1 AN INTEGRAL EQUATION AND A REPRESENTATION FOR A GREEN'S
        FUNCTION, RAND CORP. MEMORANDUM RM-5476-PR (1967),
        <89.0>
KAGIWADA, H.H., KALABA, R.E., UENO, S.
    1 EVALUATION OF FUNCTIONALS OF SOLUTIONS OF FREDHOLM
        INTEGRAL EQUATIONS WITH DISPLACEMENT KERNELS, REPT. NO.
        RM-5459-PR (OCT. 1967), RAND CORP. SANTA MONICA, CALIF.
        <59.4, 119.7>
KAGIWADA, H.H., KALABA, R.F., VEREEKE, B.J.
    1 THE INVARIANT IMBEDDING NUMERICAL METHOD FOR FREDHOLM
        INTEGRAL EQUATIONS WITH DEGENERATE KERNELS, REPT. NO.
        RM-5619-PR (MAY, 1968), RAND CORP. <59.4>
KAGIWADA, H.H., KALABA, R.E., WILDT, R.
    1 A NEW APPROACH TO THE AUXILIARY EQUATION WITH
        APPLICATION TO THE GREEN HOUSE EFFECT, REPT. NO.
        RM-5076-PR (JAN. 1967), RAND CORP. <119.7>
KAHAN, T.   (SEE - CAIRO, L., JANCEL, R.)
KAHAN, T., RIDEAU, G., ROUSSOPOULOS, P.
    1 METHODES D'APPROXIMATIONS VARIATIONNELLES DANS LA THEORIE
        DES COLLISIONS ATOMIQUES ET DANS LA PHYSIQUE DES PILES
        NUCLEAIRES, MEM. DES SCIENCES MATH. 134
        GAUTHIER-VILLARS(1956) <48.5, 116.0>

KAILATH, T.

1 APPLICATION OF A RESOLVENT IDENTITY TO A LINEAR
   SMOOTHING PROBLEM, SIAM J. OF CONTROL 7 (1969), 68-74
   <21.8, 124.0>
2 SOME INTEGRAL EQUATIONS WITH '' NONRATIONAL '' KERNELS,
   IEEE TRANS. INF. THEORY IT-12 (1966), 442-447,
   MR:34-3254 <77.0, 124.0>
3 SOLUTION OF AN INTEGRAL EQUATION OCCURRING IN MULTIPATH
   COMMUNICATION PROBLEMS, IRE TRANS. IT-6 (1960), 412,
   MR:26-2336 <124.0>
4 FREDHOLM RESOLVENTS, WIENER-HOPF EQUATIONS, IEEE
   TRANSACTIONS ON INFORMATION THEORY, VIT-15 N6(1969),
   665-672 <21.2, 71.0>

KAKTCEV, V.A.

1 ON SOME FREDHOLM EQUATIONS, SOLVABLE IN TERMS OF
   SINGULAR CAUCHY INTEGRALS, IZV.VYSS. UCEBN. ZAVED.
   MATEMATIKA 4(1961), 25-38, MR:25-2399 <78.0>
2 THE REGULARIZATION OF SINGULAR INTEGRAL EQUATIONS WITH
   CAUCHY KERNEL FOR BI-CYLINDRICAL REGION, IZV. VYSS.
   UCEBN. ZAVED. MAT. 7(1967), 54-64, MR:36-1938 <73.0>

KAKTCEV, V.A., ROGOZIN, V.S.

1 A GENERALIZATION OF AN EQUATION OF CHANDRASEKHAR
   (RUSSIAN), DIFFERENCIAL'NYE URAVNENIJA 2 (1966)
   1264-1270, TRANSL. DIFF. EQNS., 656-659, MR:34-576
   <72.8, 119.5>

KALABA, R.E.   (SEE - BELLMAN, R., KAGIWADA, H.H.)

KALAIDA, A.F., SEREDA, V.JU.

1 A CERTAIN METHOD FOR SOLVING SECOND ORDER LINEAR
   INTEGRAL EQUATIONS, UKRAIN. MAT. Z. 20(1968), 257-263,
   MR:37-708 <43.0>
2 A CERTAIN METHOD FOR SOLVING LINEAR INTEGRAL EQUATIONS
   OF THE SECOND KIND, DIFFERENCIAL'NYE URAVNENIJA 4 (1968)
   938-942, MR:37-3289 <43.0>

KALANDIJA, A.I.

1 ON THE NUMERICAL SOLUTION OF PLANE PROBLEMS IN THE
   THEORY OF ELASTICITY, ZH. VYCH. MAT. I MAT. FIZ. 7(1967)
   452-460, TRANSL. SOVIET COMP MATH. AND MATH. PHYS. 7
   (1967), 289-300, MR:22-5856 <104.0>
2 ON THE SOLUTION OF THE PROBLEM OF EQUILIBRIUM OF AN
   ELASTIC HALF-DISK, P.M.M. 28 (1964), 1106-1111 TRANS. J.
   APPL. MATH. AND MECH. 1328-1334, AMR:19-7637 <73.0,
   104.3>
3 ON THE HERTZ PROBLEM FOR CONTRACTED ELASTIC BODIES.
   (RUSSIAN), TRUDY VYCISL. CENTRA AKAD. NAUK GRUZIN. SSR 1
   (1960), 117-123, MR:26-7210 <103.4>
4 THE GENERAL MIXED PROBLEM OF BENDING OF AN ELASTIC PLATE,
   AKAD. NAUK SSSR. PRIKL. MAT. MEH. 16 (1952), 513-532,
   MR:14-515 <73.0, 104.3>
5 ON A METHOD OF SOLUTION OF PROBLEMS OF THE THEORY OF
   ELASTICITY FOR THE SEMI-CIRCLE, PROBLEMS OF CONTINUUM
   MECHANICS, SIAM (1961), 219-228, MR:22-10331 <78.0,
   104.0>

6   ON A DIRECT METHOD OF AN EQUATION IN WING THEORY WITH AN
        APPLICATION TO THE THEORY OF ELASTICITY, MAT. SB. N. S.
        42(1957), 249-272, MR:21-6800 <50.0, 104.0>

7   A PLANE PROBLEM OF HERTZ TYPE ON COMPRESSION OF
        CYLINDRICAL BODIES, SOOBSC. AKAD. NAUK GRUZIN. SSR
        21(1958), 3-10, MR:20-7414 <74.1, 103.4>

8   ON CONTACT PROBLEMS OF THE THEORY OF ELASTICITY, PRIKL.
        MAT. MEH. 21(1957), 389-398, MR:19-901 <74.1, 103.9>

9   ON A MIXED PROBLEM OF THE BENDING OF AN ELASTIC PLATE,
        PRIKL. MAT. MEH. 16(1952), 274-282, MR:14-334 <104.3>

KALISKI, S.
    1   REDUCTION OF FREDHOLM INTEGRAL EQUATIONS OF THE FIRST
        KIND TO THOSE OF THE SECOND KIND IN BOUNDARY-VALUE
        PROBLEMS OF THE DYNAMIC THEORY OF ELASTICITY, ARCH.
        MECH. STOS. 13 (1961), 723-741, MR:26-4526 <105.0>

KALISKI, S., NOWACKI, W.
    1   SOME PROBLEMS OF STRUCTURAL ANALYSIS OF PLATES WITH
        MIXED BOUNDARY CONDITIONS, ARCH. MECH. STOS. 8 (1956),
        413-448, MR:19-82 <104.3>

KALKER, T.J.
    1   THE TRANSMISSION OF FORCE AND COUPLE BETWEEN TWO
        ELASTICALLY SIMILAR ROLLING SPHERES I, II, III, NEDERL.
        AKAD. WETENSCH. PROC. SER. B 67 (1964) 135-177,
        MR:29-781 <103.9>

KALLA, S.L.
    1   DUAL INTEGRAL EQUATIONS, MATH. JAPON. 12 (1967), 133-140,
        MR:37-5633 <67.5>

    2   SOLUTION OF A PAIR OF DUAL INTEGRAL EQUATIONS, PROC.
        NAT. ACAD. SCI. INDIA, SECT. A 38(1968), 209-212,
        MR:40-3221 <67.5>

KALMYKOVA, S.S.
    1   DIFFRACTION OF A PLANE WAVE AT THE JUNCTION OF AN
        IDEALLY CONDUCTIVE AND A DIELECTRIC WEDGE, P.M.M. 29
        (1965), 361-363 TRANSL. J. APPL. MATH. AND MECH. 408-410
        <96.7>

KALMYKOVA, S.S., KUPILKO, V.I.
    1   MATCHING CONDITIONS FOR MAGNETOHYDRODYNAMIC AND COAXIAL
        WAVE GUIDES, MAGNITNAYA GIDRODINAMIKA, 1(1955), 51-53,
        TRANSL. MAGNETOHYDRODYNAMICS, 37-38, AMR:21-4521 <99.0>

KAMATA, K.   (SEE - NISHIMURA, J.)

KAMEDA, T.
    1   A METHOD FOR SOLVING SOME INTEGRAL EQUATIONS, TOHOKU
        MATH J. 23 (1924) 197-209 <12.0>

KANDLER, P.
    1   NUMERISCHE BEHANDLUNG DES SAINT-VENANTSCHEN TORSIONS
        PROBLEMS BEI BELIEBIGEN QUERSCHNITTSBEREICHEN MIT HILFE
        VON INTEGRALGLEICHUNGEN, MONATSBERICHTE DER DEUTSCHEN
        AKADEMIE DER WISSENSCHAFTEN ZU BERLIN 9(1967), 637-649
        <94.7>

KANTEL, S.
    1   ON THE APPROXIMATION OF SYMMETRIC OPERATORS BY OPERATORS
        OF FINITE RANK, ISRAEL J. OF MATH. 7(1965), 1, MR:32-361
        <54.0>

#1176

KANTOROVICH, L.V.   (SEE ALSO - FICHTENHOLZ, G.)
    1 APPROXIMATE SOLUTION OF FUNCTIONAL EQUATIONS, USPEHI.
       MAT. NAUK. (N.S.) 11 (1956), 99-116, MR:18-747 <05.0,
       49.8>
    2 THE METHOD OF SUCCESSIVE APPROXIMATIONS FOR FUNCTIONAL
       EQUATIONS, ACTA. MATH. 71 (1939), 63-97, MR:1-18 <49.8>
    3 FUNCTIONAL ANALYSIS AND APPLIED MATHEMATICS, USPEHI MAT.
       NAUK 3 (1948) 89-185, NAT. BUR. STAND. TRANSL. BY C. D.
       BENSTER (1952), MR:10-380 <03.0, 40.5>
    4 ON NEWTON'S METHOD FOR FUNCTIONAL EQUATIONS, DOKL. AKAD.
       NAUK SSSR (N. S.) 59(1948), 1237-1240, MR:9-537 <49.8>
KANTOROVICH, L.V., AKILOV, G.P.
    1 FUNCTIONAL ANALYSIS IN NORMED SPACES, ENGLISH TRANSL.
       MACMILLAN (1964), MR:22-9837 <03.0, 40.5, 46.0>
KANTOROVICH, L.V., KRYLOV, V.I.
    1 APPROXIMATE METHODS OF HIGHER ANALYSIS, ENGLISH TRANSL.
       NORTH-HOLLAND (1958), MR:21-5268 <40.5>
KANWAL, R.P.   (SEE ALSO - JAIN, D.L.)
    1 THEORY OF DIFFRACTION AND MATCHED ASYMPTOTIC EXPANSIONS,
       J. OF MATH. PHYS. 8 (1967), 821-822 <95.0>
    2 AN INTEGRAL EQUATION PERTURBATION TECHNIQUE IN APPLIED
       MATHEMATICS, J. MATH. MECH. 19(1969/70), 625-656,
       MR:40-4706 <49.0>
    3 LINEAR INTEGRAL EQUATIONS, ACADEMIC PRESS (1971) <01.0>
KAPLAN, C.
    1 ON A NEW METHOD FOR CALCULATING THE POTENTIAL FLOW PAST
       A BODY OF REVOLUTION, WARTIME REP. NACA L-558 (1942),
       MR:9-253 <111.0>
KAPLAN, E.L.
    1 NUMERICAL INTEGRATION NEAR A SINGULARITY, J. MATH. PHYS.
       31 (1952), 1-28, MR:13-782 <41.0>
KAPLAN, S.
    1 CANONICAL AND INVOLUTORY TRANSFORMATIONS OF VARIATIONAL
       PROBLEMS INVOLVING HIGHER DERIVATIVES, J. MATH. ANAL.
       AND APPL. 22 (1968), 45-53
KAPRIELIAN, Z.A.
    1 ELECTROMAGNETIC TRANSMISSION CHARACTERISTICS OF A
       LATTICE OF INFINITELY LONG CONDUCTING CYLINDERS, J.
       APPL. PHYS. 27 (1956) 1491-1502, MR:18-699 <95.0>
KARAGODOVA, E.A.   (SEE - IVANOV, V.V.)
KARAL, F.C., KARP, S.N.
    1 PROPAGATION OF ELECTROMAGNETIC WAVES ALONG
       UNIDIRECTIONALLY CONDUCTING SCREENS, NEW YORK UNIV. RES.
       REPT. EM-180 (1963) <96.0>
KARAMYSHKIN, V.V.
    1 TRANSFORMATION OF A LINEAR DIFFERENTIAL EQUATION WITH
       POLYNOMIAL COEFFICIENTS TO AN INTEGRAL EQUATION WITH THE
       AID OF OPERATOR CALCULUS, J. APPL. MATH. MECH. 22 (1958)
       774-776, MR:21-3607 <10.0>
KARLIN, S.   (SEE ALSO - ARROW, K.J.)

1   REDUCTION OF CERTAIN CLASSES OF GAMES TO INTEGRAL
    EQUATIONS, CONTRIBUTIONS TO THE THEORY OF GAMES, VOL. 2
    125-158. ANNALS OF MATHEMATICS STUDIES, NO. 28.
    PRINCETON UNIV. PRESS (1953) RAND CORP. 241 (1951),
    MR:15-454 <124.0>
2   THE REDUCTION OF GAMES TO INTEGRAL EQUATIONS, REPT. NO.
    P-241 (OCT. 1951) RAND CORP.
3   THE EXISTENCE OF EIGENVALUES FOR INTEGRAL OPERATORS,
    TRANS. AMER. MATH. SOC. 113(1964), 1-17, MR:29-5345
    <24.0>

KARLIN, S., NIRENBERG, L.
1   ON A THEOREM OF P. NOWOSAD, J. MATH. ANAL. APPL. 17
    (1967) 61-67, MR:34-3250 <28.0>

KARLIN, S., SZEGO, G.
1   ON CERTAIN DIFFERENTIAL -INTEGRAL EQUATIONS, MATH. Z. 72
    (1959) 205-228, MR:22-2871 <17.0>

KARP, S.N.   (SEE ALSO - KARAL, F.C.)
1   SYSTEMATIC IMPROVEMENT OF QUASI-STATIC CALCULATIONS,
    SYMP. E. M. THEORY AND ANTENNAS (JUNE, 1962) COPENHAGEN
    205-207 <95.0>

KARPENKO, L.N.
1   APPROXIMATE SOLUTION OF A SINGULAR INTEGRAL EQUATION BY
    MEANS OF JACOBI POLYNOMIALS, PRIKL. MAT. MEH. 30 (1966)
    564-569 TRANS. J. APPL. MATH. MECH. 30 (1967) 668-675,
    MR:37-6711 <50.0>

KARPILOVSKAYA, E.B.
1   THE CONVERGENCE OF THE METHOD OF SUBREGIONS FOR ORDINARY
    INTEGRO-DIFFERENTIAL EQUATIONS, U. S. S. R. COMP. MATH.
    AND MATH. PHYS. 5(1965), 173-184 <57.0>

KARAMYSHKIN, V.V.
1   TRANSFORMATION OF A LINEAR DIFFERENTIAL EQUATION WITH
    POLYNOMIAL COEFFICIENTS INTO AN INTEGRAL EQUATION WITH
    THE AID OF OPERATIONAL CALCULUS, J. APPL. MATH. MECH.
    22(1958), 774-776, MR:21-3607

KASSIR, M.K., SIH, G.C.
1   THREE-DIMENSIONAL STRESS DISTRIBUTIONS AROUND AN
    ELLIPTICAL CRACK UNDER ARBITRARY LOADINGS, TRANS. ASME
    J. APPL. MECH. (1966) 601-611, AMR:20-3137 <103.5>

KATO, T.
1   ON THE CONVERGENCE OF THE PERTURBATION METHOD, J. FAC.
    SCI. UNIV. TOKYO 6 (19) 145-225 <54.0>
2   NOTE ON SCHWINGER'S VARIATIONAL METHOD, PROG. THEOR.
    PHYS. VI (1951) 295-303, MR:13-655 <48.5, 116.3>
3   ON THE CONVERGENCE OF THE PERTURBATION METHOD. I.,
    PROGRESS THEOR. PHYSICS 4 (1949) 514-523, MR:11-599
    <54.0>
4   UPPER AND LOWER BOUNDS OF SCATTERING PHASES, PROG.
    THEOR. PHYS. VI (1951) 394-407, MR:13-655 <48.5, 116.3>
5   PERTURBATION THEORY FOR LINEAR OPERATORS, SPRINGER
    (1966), MR:34-3324

KAYA, I.   (SEE - SACKMAN, J.L.)

KEER, L.M.

1   A NOTE ON SHEAR AND COMBINED LOADING FOR A PENNY-SHAPED
    CRACK, J. MECH. PHYS. SOLIDS 14(1966), 1-6, AMR:20-4066
    <103.6>

2   A CLASS OF NON-SYMMETRICAL PUNCH AND CRACK PROBLEMS,
    QUART. J. MECH. APPL. MATH. 17 (1964) 423-426,
    MR:30-5552 <103.7>

3   COUPLED PAIRS OF INTEGRAL EQUATIONS, QUART. APPL. MATH.
    25 (1968) 453-457, MR:37-1918 <67.5>

4   MIXED BOUNDARY VALUE PROBLEMS FOR AN ELASTIC HALF-SPACE,
    PROC. CAMB. PHIL. SOC. 63 (1967) 1379-1386, AMR:22-3125
    <103.8>

5   NONAXISYMMETRIC PUNCH AND CRACK PROBLEMS FOR INITIALLY
    STRESSED BODIES, QUART. APPL. MATH. 23(1965), 97-108,
    AMR:19-740 <103.6>

6   THE TORSION OF A RIGID PUNCH IN CONTACT WITH AN ELASTIC
    LAYER WHERE THE FRICTION LAW IS ARBITRARY, TRANS. ASME
    SER. E J. APPL. MECH. 31(1964), 430-434, MR:29-4270
    <103.8>

KEER, L.M., FREEMAN, N.J.

1   TORSION OF A FINITE ELASTIC CYLINDRICAL ROD PARTIALLY
    BONDED TO AN ELASTIC HALF SPACE, QUART. APPL. MATH.
    26(1969), 567-573, AMR:22-7611 <103.9>

KEER, L.M., FU, W.S.

1   SOME STRESS DISTRIBUTIONS IN AN ELASTIC PLATE DUE TO
    RIGID HEATED PUNCHES, INTER. J. ENGRG. SCI. 5(1967),
    555-570, AMR:21-2290 <103.7>

KEILSON, J.

1   AN ALTERNATIVE TO WIENER-HOPF METHODS FOR THE STUDY OF
    BOUNDED PROCESSES, J. APPL. PROB. 1 (1964) 85-120,
    MR:35-2334 <72.1, 122.0>

2   THE HOMOGENEOUS RANDOM WALK ON THE HALF-LINE AND THE
    HILBERT PROBLEM, BULL. INST. INTERNAT. STATIST. 39(1962)
    279-291, MR:28-5480 <72.5, 122.0>

3   THE GENERAL BULK QUEUE AS A HILBERT PROBLEM, J. ROY.
    STAT. SOC. SER. B 24 (1962) 344-358, MR:27-4294 <72.5,
    122.0>

KEILSON, J., KOOHARIAN, A.

1   ON THE GENERAL TIME DEPENDENT QUEUE WITH A SINGLE SERVER,
    ANN. MATH. STAT. 33 (1962) 767-791, MR:25-525 <72.5,
    122.0>

KELDYSH, M.V.

1   ON B. G. GALERKIN'S METHOD FOR THE SOLUTION OF
    BOUNDARY-VALUE PROBLEMS, IZV. AKAD. NAUK. SSSR 6(1942),
    307-330, N. A. S. A. TRANSL. TF-195 (1964) <48.5>

KELLER, E.G.

1   MATHEMATICS OF MODERN ENGINEERING, VOL. II, WILEY (1942),
    MR:4-150 <124.0>

KELLER, H.B.

1   APPROXIMATE SOLUTIONS OF TRANSPORT PROBLEMS I. STEADY
    STATE ELASTIC SCATTERING IN PLANE AND SPHERICAL GEOMETRY,
    J. SOC. IND. APPL. MATH. G (1958) 452-465, MR:21-527A
    <53.6, 119.7>

2   ON THE ACCURACY OF FINITE DIFFERENCE APPROXIMATION TO
        THE EIGENVALUES OF DIFFERENTIAL AND INTEGRAL OPERATORS,
        NUM. MATH. 7 (1965) 412-419, MR:32-6706 <54.0>
3   APPROXIMATE SOLUTIONS OF TRANSPORT PROBLEMS. II.
        CONVERGENCE AND APPLICATIONS OF THE DISCRETE ORDINATE
        METHOD, J. SOC. IND. APPL. MATH. 8 (1960) 43-73,
        MR:22-2020 <53.6, 119.3>
KELLER, H.B., REISS, E.L.
1   ITERATIVE SOLUTIONS FOR THE NONLINEAR BENDING OF
        CIRCULAR PLATES, COMM. PURE APPL. MATH. 11 (1958)
        273-292, MR:20-4961 <104.2>
KELLER, J.B.   (SEE ALSO - GARDNER, G.S.,
                          HANDELSMAN, R.A.)
1   DIFFRACTION BY AN APERTURE, IJ. APPL. PHYS. 28 (1957)
        426-444, MR:20-5033,MR:21-571 <97.5>
2   LOWER BOUNDS AND ISOPERIMETRIC INEQUALITIES FOR
        EIGENVALUES OF THE SCHRODINGER EQUATION, J. MATH. PHYS.
        2 (1961) 262-266, MR:22-11847 <54.0, 116.3>
KELLER, J.B., MAGIROS, D.G.
1   DIFFRACTION BY A SEMI-INFINITE SCREEN WITH A ROUNDED END,
        COMM. PURE APPL. MATH. 14 (1961) 457-471, MR:25-919
        <96.0>
KELLOG, O.D.   (SEE ALSO - BIRKHOFF, G.D.)
1   ON THE EXISTENCE AND CLOSURE OF SETS OF CHARACTERISTIC
        FUNCTIONS, MATH. ANN. 86 (1922) 14-17 <24.0>
2   UNSTETIGKEITEN BEI DEN LINEAREN INTEGRALGLEICHUNGEN,
        MATH. ANN. 60 (1905) 424-433 <22.0>
3   ORTHOGONAL FUNCTIONS SETS ARISING FROM INTEGRAL
        EQUATIONS, AMER. J. MATH. 40 (1918) 145-154 <24.0>
4   FOUNDATIONS OF POTENTIAL THEORY, SPRINGER(1929) <02.0>
KELMAN, R.B.
1   AXISYMMETRIC POTENTIALS IN COMPOSITE GEOMETRIES, FINITE
        CYLINDER AND HALF-SPACE, CONTRIBUTIONS TO DIFFERENTIAL
        EQUATIONS 2(1963) 421-440, MR:27-6477 <92.9>
2   THE POTENTIAL IN A CYLINDRICAL ELECTRODE PARTIALLY
        SUBMERGED IN A PERFECTLY CONDUCTING MEDIUM, J. COMP.
        PHYS. 2 (1907) 120-125 <92.9>
3   THE STEADY TEMPERATURE IN CYLINDERS WITH MIXED DIRICHLET
        AND RADIATION CONDITIONS ON THE LATERAL WALLS, J. MATH.
        PHYS. 46 (1967) 333-342, MR:35-6413 <35.0, 92.9>
4   REGULARITY OF CERTAIN EXPLICIT SOLUTIONS TO LAPLACE'S
        EQUATION AT ARTIFICIAL INTERFACES, AMER. MATH. MO. 73
        (1966) 1073-1078, MR:34-4690 <90.0>
5   STEADY-STATE DIFFUSION THROUGH A FINITE PORE INTO AN
        INFINITE RESERVOIR: AN EXACT SOLUTION, BULL. MATH.
        BIOPHYS. 27(1965) 57-65, MR:30-5827 <92.9>
KEMP, R.R.D.
1   REMARKS ON SYSTEMS OF NONLINEAR VOLTERRA EQUATIONS,
        PROC. AMER. MATH. SOC. 14 (1963) 961-962, MR:28-438
        <11.0>

KEMPERMAN, J.H.B.

1 A WIENER-HOPF TYPE METHOD FOR A GENERAL RANDOM WALK WITH
A TWO-SIDED BOUNDARY, ANN. MATH. STAT. 34 (1963)
1168-1193, MR:27-5298 <72.1, 122.0>
2 THE PASSAGE PROBLEM FOR A STATIONARY MARKOV CHAIN, UNIV.
CHICAGO PRESS (1961) <71.0, 122.0>

KENDALL, D.G.

1 SOME PROBLEMS IN THE THEORY OF QUEUES, J. ROY. STAT.
SOC. SER. B 13 (1951) 151-173 AND 173-185, MR:13-957
<122.0>

KENSCHAFT, P.P., AMADO, R.D.

1 SOLUTION OF A SINGULAR INTEGRAL EQUATION FROM SCATTERING
THEORY, J. MATH. PHYS. 5 (1964) 1340-1342, MR:29-5549
<116.8>

KENT, G., MAUTZ, J.

1 THE NUMERICAL SOLUTION OF A VOLTERRA INTEGRAL EQUATION,
J. COMP. PHYS. 3 (1969) 399-415 <13.0>

KERMACK, W.O., MCKENDRICK, A.G.

1 THE SOLUTION OF SETS OF SIMULTANEOUS INTEGRAL EQUATIONS
RELATED TO THE EQUATIONS OF VOLTERRA, PROC. LONDON MATH.
SOC. (2) 41 (1936) 462-482

KERSHAW, D.

1 THE DETERMINATION OF THE DENSITY DISTRIBUTION OF A GAS
FLOWING IN A PIPE FROM MEAN DENSITY MEASUREMENT, REPT.
NO. RI- MATHS 4 105 ADMIRALITY RES. LAB., TEDDINGTON
ENGLAND
2 THE DETERMINATION OF THE DENSITY DISTRIBUTION OF A GAS
FLOWING IN A PIPE FROM MEAN DENSITY MEASUREMENTS, J.
INST. MATH. APPL. 6(1970), 111-114 <16.0>

KESHOCK, E.G.   (SEE - SIEGEL, R.)

KESTEN, H.

1 ON THE EXTREME EIGENVALUES OF TRANSLATION KERNELS AND
TOEPLITZ MATRICES, J. D'ANALYSE MATH. 10 (1962/1963)
117-138, MR:26-565

KHACHATURYAN, A.G.

1 APPLICATION OF THE GREEN'S FUNCTION METHOD TO THE
THERMODYNAMICS OF INTERSTITIAL SOLUTIONS, FIZ. TVERD.
TELA 5 (1963) 15-20, TRANSL. SOVIET PHYSICS SOLID STATE
5 (1963) 9-12, MR:28-4890 <26.0, 117.0>
2 NONLINEAR EQUATIONS OF INTEGRAL TYPE AND THEIR
APPLICATIONS TO THE PROBLEM OF ORDERED ALLOYS, FIZ.
TVERD. TELA 5 (1963) 26-35 (RUSSIAN) TRANSL. SOVIET
PHYSICS SOLID STATE 5 (1963) 16-22, MR:28-4891 <26.0,
117.0>
3 NONLINEAR EQUATIONS OF INTEGRAL TYPE AND THEIR
APPLICATION TO THE STUDY OF THE CRYSTAL SYMMETRIES OF
INTERSTITIAL SOLUTIONS, FIZ. TUERD. TELA 5 (1963)
750-758 (RUSSIAN) SOVIET PHYSICS SOLID STATE 5 (1963)
548-553, MR:28-4892 <26.0, 117.0>

KHADAZOV, D.F.

1 ESTIMATES FOR THE EIGENVALUES OF CERTAIN OPERATORS WITH
DISCRETE SPECTRUM, DIFF. URAVN. 1(1965), 1064-1069
<54.0>

KHASKIND, M.D.
    1   THE RADIATION AND DIFFRACTION OF SURFACE WAVES FROM A
        VERTICALLY FLOATING PLATE, P.M.M. 23(1959) 770-783
        545-556 TRANSL. IN J. APPL. MATH. MECH. 23 (1959),
        MR:22-2216 <112.5>
KHOSROV, E.G.   (SEE - LITVINCHUK, G.S.)
KHOVANSKII, A.N.
    1   ON A GENERALIZATION OF ABEL'S INTEGRAL EQUATION, DOKL.
        AKAD. NAUK. SSSR 1 (1945) 69-70, MR:14-562 <15.0>
KHRAPKOV, A.A.
    1   FIRST FUNDAMENTAL PROBLEM FOR A PIECEWISE-HOMOGENEOUS
        PLANE WITH A SLIT PERPENDICULAR TO THE LINE OF
        SEPARATION, APPL. MATH. MECH. 32 (1968) 666-678 <91.0>
KHURI, N.N.   (SEE ALSO - BLANKENBECLER, R.)
    1   ANALYTICITY OF THE SCHROEDINGER SCATTERING AMPLITUDE AND
        NONRELATIVISTIC DISPERSION RELATIONS, PHYS. REV. 107
        (1957) 1148-1156, MR:22-6476 <116.5>
KHURI, N.N., PAIS, A.
    1   SINGULAR POTENTIALS AND PERATIZATION. I., REV. MOD.
        PHYS. 36 (1964) 590-595 <116.8>
KHURI, N.N., TREIMAN, S.B.
    1   DIRAC POTENTIAL SCATTERING, PHYS. REV. 109 (1958) 198-
        <116.8>
KIEBURTZ, R.B.
    1   CONSTRUCTION OF ASYMPTOTIC SOLUTIONS TO SCATTERING
        PROBLEMS IN THE FOURIER TRANSFORM REPRESENTATION, APPL.
        SCI. RES. B 12 (1965) 221-234, AMR:20-745 <116.0>
KIEFER, J., WOLFOWITZ, J.
    1   ON THE THEORY OF QUEUES WITH MANY SERVERS, TRANS. AMER.
        MATH. SOC. 78 (1955) 1-18, MR:16-601 <122.0>
KIESSLING, F.
    1   EINE METHODE ZUR APPROXIMATIVEN BERECHNUNG EINSEITIG
        EINGESPANNTER DRUCKSTABE MIT VERANDERLICHEM QUERSCHNITT,
        ZAMM 10 (1930) 594-599 <115.0>
KIKUTA, T.
    1   EXTENSIONS OF VARIATIONAL METHODS, I- SUPER STATIONARY
        VARIATIONAL METHOD, PROG. THEOR. PHYS. 14 (1955) 457-472,
        MR:19-1136 <48.5, 117.0>
    2   EXTENSIONS OF VARIATIONAL METHODS, II. TWO-PARAMETER
        EIGENVALUE PROBLEM FOR THE DEUTERON STATE, PROGR.
        THEORET. PHYS. 15(1956),50-62, MR:19-1136 <48.5, 117.0>
KIL'CHEVSKY, N.A.
    1   INTEGRO-DIFFERENTIAL AND INTEGRAL EQUATIONS OF
        EQUILIBRIUM OF THIN ELASTIC SHELLS, J. APPL. MATH. MECH.
        23 (1959) 165-176 (124-133 PRIKL. MAT. MEH.), MR:22-2125
        <104.2>
    2   INTEGRODIFFERENTIAL UND INTEGRALGLEICHUNGEN ZUR DAS
        GLEICHGEWICHT DUNNER ELASTISCHER SCHALEN, ZAMM 40(1960),
        153-161, MR:22-6165 <104.2>

KLYATSKIN, I.S.
    1 ON THE INADEQUACY OF THE ANTENNA INTEGRAL EQUATION,
          AKAD. NAUK SSSR DOKLADY 152(1963), 1089-1091, TRANSL.
          FOREIGN TECH. DIV., WRIGHT-PATTERSON A. F. B., OHIO,
          SEPT. (1964) <102.0>
KNESCHKE, A.
    1 WECHSELBEZIEHUNGEN ZWISCHEN DIFFERENTIALGLEICHUNGEN UND
          INTEGRALGLEICHUNGEN. II. DAS ALLGEMEINE
          INTEGRATIONSPROBLEM, DEUTSCHE MATH. 6. 543-553 (1942),
          MR:5-71 <89.0>
    2 WECHSELBEZIEHUNGEN ZWISCHEN DIFFERENTIALGLEICHUNGEN UND
          INTEGRALGLEICHUNGEN, DEUTSCHE MATH. 5(1941), 384-393,
          MR:2-311 <89.0>
KNOPOFF, L.   (SEE - MAL, A.K.)
KNOPP, P., SINKHORN, R.
    1 A NOTE CONCERNING SIMULTANEOUS INTEGRAL EQUATIONS,
          CANAD. J. MATH. 20 (1968) 855-861, MR:37-4522 <22.0>
KNOWLES, J.K., WANG, N.M.
    1 ON THE BENDING OF AN ELASTIC PLATE CONTAINING A CRACK,
          J. MATH. AND PHYS. 39 (1960) 223-236, MR:23-8644
KOBAYASI, M.
    1 ON NUMERICAL SOLUTION OF THE VOLTERRA INTEGRAL EQUATIONS
          OF THE FIRST KIND BY TRAPEZOIDAL RULE, REPT. STAT. APPL.
          RES. JUSE 14 (1967) 1-78 <16.0>
    2 ON NUMERICAL SOLUTION OF THE VOLTERRA INTEGRAL EQUATIONS
          OF THE SECOND KIND BY LINEAR MULTISTEP METHODS, REPT.
          STAT. RES. JUSE 13 (1966) 1-21 <13.0>
KOCH, K.R.
    1 SUCCESSIVE APPROXIMATION OF SOLUTIONS OF MOLODENSKY'S
          BASIC INTEGRAL EQUATIONS, REPT. NO. SCIENTIFIC-14 DGS-85
          REPT. OF GEOD. SCIENCE OHIO STATE UNIV. COLUMBUS, OHIO
          <56.0>
KODIS, R.D.   (SEE ALSO - HUANG, C.)
    1 AN INTRODUCTION TO VARIATIONAL METHODS IN
          ELECTROMAGNETIC SCATTERING, J. SOC. INDUST. APPL. MATH.
          2 (1954) 89-112, MR:16-313 <48.5, 95.0>
KOELBLOED, D.
    1 AN ACCURATE SOLUTION OF THE INTEGRAL EQUATION FOR THE
          LYMAN ALPHA EMISSION IN A STATIONARY NEBULA, BULL. ASTR.
          INST. NETHERLANDS 12 (1956) 341-348, MR:17-1094 <119.0>
KOFINK, W.
    1 STUDIES OF THE SPHERICAL HARMONICS METHOD IN NEUTRON
          TRANSPORT THEORY, NUOVO CIMENTO 9 (1958) 497-541,
          MR:21-3130 <53.6, 119.0>
KOGAN, H.M.
    1 ON A SINGULAR INTEGRO-DIFFERENTIAL EQUATION,
          DIFFERENCIAL'NYE URANUNENIJA 3 (1967) 278-293,
          MR:35-3491 <25.0>
KOGAN, S.YA.
    1 ON THE METHOD OF SPHERICAL FUNCTIONS IN ATMOSPHERICAL
          OPTICS, DOKL. AKAD. NAUK SSSR 108 (1956) 1053-1055,
          MR:18-159 <119.2>

KOGELNIK, M.   (SEE - GORDON, J.P.)
KOITER, W.T.
    1   AN INFINITE ROW OF COLINEAR CRACKS IN AN INFINITE
            ELASTIC SHEET, ING. ARCHIV. 28 (1959) 168-172,
            MR:21-5320 <73.0, 104.3>
    2   APPROXIMATE SOLUTION OF WIENER-HOPF TYPE EQUATIONS WITH
            APPLICATIONS. I. GENERAL THEORY, NEDERL. AKAD. WETENSCH.
            PROC. SER. A. 57 (1954) 558-564, II. 565-574, III.
            575-579, MR:17-498 <70.7, 71.8>
    3   ON THE DIFFUSION OF LOAD FROM A STIFFENER INTO A SHEET,
            QUART. J. MECH. AND APPL. MATH. 8 (1955) 164-178,
            MR:16-1176 <71.0, 104.3>
    4   SOME INTEGRAL THEOREMS ON DOUBLY-PERIODIC AND
            QUASI-PERIODIC FUNCTIONS, NEDERL. AKAD. WETENSCH. PROC.
            SER. A 62 = INDAG. MATH. 21(1959), 120-128, MR:21-5721
            <73.0>
    5   APPROXIMATE SOLUTION OF WIENER-HOPF TYPE INTEGRAL
            EQUATIONS WITH APPLICATIONS. I, NEDERL. AKAD. WETENSCH.
            PROC. SER A 57(195 21(1959), 1
    6   APPROXIMATE SOLUTION OF WIENER-HOPF TYPE INTEGRAL
            EQUATIONS WITH APPLICATIONS, II, NEDERL. AKAD. WETENSCH.
            PROC. SER A 57(195 21(1959), 1
    7   APPROXIMATE SOLUTION OF WIENER-HOPF TYPE INTEGRAL
            EQUATIONS WITH APPLICATIONS, III, NEDERL. AKAD.
            WETENSCH. PROC. SER B 57(195 21(1959), 1
KOLESNIKOVA, E.N.   (SEE - GRINBERG, G.A.)
KOLODNER, I.I.
    1   CONTRACTIVE METHODS FOR HAMMERSTEIN TYPE EQUATIONS IN
            HILBERT SPACE, UNIV. OF NEW MEXICO TECH. REPT. 35 (1963)
            <26.0>
    2   EQUATIONS OF HAMMERSTEIN TYPE IN HILBERT SPACES, J.
            MATH. MECH. 13 (1964) 701-750, MR:30-1415 <26.0>
    3   FREE BOUNDARY PROBLEM FOR THE HEAT EQUATION WITH
            APPLICATIONS TO PROBLEMS OF CHANGE OF PHASE. I. GENERAL
            METHOD OF SOLUTION, COMM. PURE APPL. MATH. 9 (1956) 1-31,
            MR:19-285 <120.5>
KOMJAK, I.I.
    1   A CERTAIN INTEGRAL EQUATION ON THE HALF-AXIS, DOKL.
            AKAD. NAUK BSSR 13 (1969), 197-201, MR:40-4710 <76.0>
KOCHARIAN, A.   (SEE - KEILSON, J.)
KOPASENKO, V.V.   (SEE - VOROVICH, I.I.)
KOPPELMAN, W.
    1   ON THE SPECTRAL THEORY OF SINGULAR INTEGRAL OPERATORS,
            PROC. NAT. ACAD. SCI. U. S. A. 44 (1958) 1252-1254,
            MR:21-2169 <25.0, 78.0>
    2   SPECTRAL MULTIPLICITY THEORY FOR A CLASS OF SINGULAR
            INTEGRAL OPERATORS, TRANS. AMER. MATH. SOC. 113 (1964)
            87-100, MR:29-1555A <78.0>
    3   SINGULAR INTEGRAL EQUATIONS, BOUNDARY VALUE PROBLEMS AND
            THE RIEMANN-ROCH THEOREM, J. MATH. MECH. 10(1961),
            247-277, MR:31-1373 <74.5>

4 ON THE SPECTRAL THEORY OF SINGULAR INTEGRAL OPERATORS,
TRANS. AMER. MATH. SOC. 97(1960), 35-63, MR:22-9865
<25.0, 78.0>

KORZON, G.I.
1 THE VIBRATION OF THIN-WALLED ELASTIC BODIES IN A GAS
STREAM, DOKL. AKAD. NAUK. SSSR 107 (1956) 217-220,
MR:18-163 <105.0>

KORGANOFF, A.
1 INTEGRAL EQUATIONS, PROC. FOURTH A. F. I. R. C. CONGRESS
OF COMPUTING AND INFORMATION PROCESSING , VERSAILLES,
FRANCE (1964), DUNOD (1965), 340-342. <45.0>

KORRINGA, J.
1 VARIATIONAL PRINCIPLES FOR DIFFRACTION OF ELASTIC WAVES,
J. MATH. PHYS. 6(1965), 1107-1114, MR:31-3158 <48.5,
105.0>

KORYAVOV, P.P.
1 NUMERICAL CALCULATION OF HIGH-TEMPERATURE LAMINAR JETS,
Z. VYCISL. MAT. FIZ. 1(1961),855-868, TRANSL. SOVIET
COMP. 1(1962), 1019-1033, MR:26-7168 <113.0>

KOSCHMIEDER, L.
1 ANWENDUNGEN DER INTEGRALGLEICHUNGEN AUF EINE
THERMOELASTISCHE AUFGABE, J. F. MATH. 143 285-293

KOSIREV, N.A.
1 UBER DIE INTEGRALGLEICHUNG DES STRAHLUNGSGLEICHGEWICHTS,
Z. F. PHYSIK 47 (1928) 602-607

KOSTITZIN, V.-A.
1 SUR L'EQUATION INTEGRALE DU CYCLE FERME, C. R. ACAD.
SCI. PARIS 230 (1950) 811-813, MR:11-524 <12.0>
2 SUR QUELQUES APPLICATIONS DES EQUATIONS INTEGRALES,
ANNALES INSTITUT POINCARE 1 (1926) 177-203
3 SUR LA THEORIE MATHEMATIQUE DE L'HYSTERISIS, RECUEIL
MATH. MOSCOU 32 (1924) 192-202
4 SUR UNE GENERALISATION DE L'EQUATION INTEGRALE D'ABLE,
C. R. ACAD. SCI. PARIS 224(1947), 885-887, MR:8-518
<12.0>

KOSTROV, B.V.
1 MOTION OF A RIGID STRIP-MASS SOLDERED INTO AN ELASTIC
MEDIUM, EXCITED BY A PLANE WAVE, P. M. M. 29(1964),
99-110, TRANSL. J. APPLIED MATH. MECH. 28(1964), 113-126,
MR:31-4240 <71.8, 105.6>
2 SELF-SIMILAR PROBLEMS OF PROPAGATION OF SHEAR CRACKS,
P.M.M. 28 (1964) 889-898 TRANSL. J. APPL. MATH. MECH.
1077-1087, AMR:19-2246 <105.8>
3 THE AXISYMMETRIC PROBLEM OF PROPAGATION OF A TENSION
CRACK, P.M.M. 28 (1964) 644-652 TRANSL. J. APPL. MATH.
MECH. 793-803 <105.8>
4 SELF-SIMILAR DYNAMIC PROBLEMS OF THE IMPRESSION OF A
RIGID STAMP IN AN ELASTIC HALF-SPACE, IZV. AKAD. NANK.
SSSR MECH. I MASHINOSTR., 4(1964),54-62, AMR:18-5368
<105.8>

KOSULIN, A.F.

1 ONE-DIMENSIONAL SINGULAR EQUATIONS IN GENERALIZED
FUNCTIONS, MAT. SB. (N.S.) 70 (112) (1966) 180-197,
MR:33-4630 <25.0>

2 A SPECIAL CASE IN THE THEORY OF SINGULAR EQUATIONS,
VESTNIK LENINGRAD UNIV. 17(1962), 142-148, MR:27-4032
<78.0>

3 ONE-DIMENSIONAL SINGULAR EQUATIONS IN GENERALIZED
FUNCTIONS, DOKL. AKAD. NAUK. SSSR 163(1965), 1054-1057,
TRANSL. SOV. MATH. DOKL. 6(1965), 1055-1058, MR:35-5873
<78.0>

KOTIK, J.

1 DAMPING AND INERTIA COEFFICIENTS FOR A ROLLING OR
SWAYING VERTICAL STRIP, J. SHIP. RES. 7(1963), 19-23,
AMR:17-1036 <112.5>

KOTIK, J., MANGULIS, V.

1 ON THE KRAMERS - KRONIG RELATION FOR SHIP MOTIONS,
INTER. SHIPBUILDING PROGR. 9(1962), 361-368, AMR:19-3689
<110.0>

KOTIN, L.   (SEE - BIRKHOFF, G.)
KOTKIN, B.   (SEE - BELLMAN, R.)
KOURGANOFF, V.

1 BASIC METHODS IN TRANSFER PROBLEMS RADIATIVE EQUILIBRUIM
AND NEUTRON DIFFUSION, OXFORD (1952), MR:14-879 <02.0,
119.0>

KOURGANOFF, V., PECKER, C.

1 SUR LE CHOIX DES FORMULES D'INTEGRATION NUMERIQUE DANS
LA RESOLUTION DES EQUATIONS INTEGRO-DIFFERENTIELLES DE
TRANSFERT PAR LA'METHOD DES ORDONNEES DISCRETES, ANN.
ASTRO. 12(1949), 247-263, MR:14-94 <57.0, 119.0>

KOUZOV, D.P.

1 DIFFRACTION OF A CYLINDRICAL HYDROCONSTIC WAVE AT THE
JOINT OF TWO SEMI-INFINITE PLATES, PMM 33(1969), 240-250,
TRANSL. IN J. APPL. MATH. MECH.PAR LA'METHO

KOVALENKO, S.P.

1 ON A CLASS OF INTEGRODIFFERENTIAL EQUATION, FIRST
REPUBLIC MATH. CONF. OF YOUNG RESEARCHERS, PART II,
PP.325-333, AKAD. NAUK. UKRAIN SSR INST. MET. KIEV. 1965,
MR:33-529 <21.0>

KOVALENKO, S.P., RVACOV, V.L.

1 CERTAIN PROPERTIES OF DETERMINANTS, DOPOVIDI AKAD. NAUK.
UKRAIN. RSR (1965) 1414-1418, MR:33-4213 <22.0>

KOVALEVA, V.A.

1 ON THE NONSTATIONARY MOTION OF A WING WITH RECTANGULAR
PLANFORM, J. APPL. MATH. MECH. (PPM) 23 (1959) 1476-1491,
MR:22-6258 <108.8>

KOVETZ, Y.   (SEE - GORENFLO, R.)
KOWALEWSKI, G.

1 INTEGRALGLEICHUNGEN, BERLIN (1930) <01.0>

KRANZER, H.C.

1 ASYMPTOTIC FACTORIZATION IN NONDISSIPATIVE WIENER-HOPF
PROBLEMS, J. MATHS. MECHS. 17 6 (1967) 577-600,
MR:36-3087 <70.7>

KRANZER, H.C., RADLOW, J.
1 AN ASYMPTOTIC METHOD FOR SOLVING PERTURBED WIENER-HOPF
     PROBLEMS, J. MATHS. MECHS. 14 1 (1965) 41-59, MR:30-5136
     <70.7>
2 ASYMPTOTIC FACTORIZATION FOR PERTURBED WIENER-HOPF
     PROBLEMS, J. MATH. ANAL. APPL. 4 (1962) 240-256,
     MR:27-1795 <70.7>
KRAPIVIN, V.F., LINKOVSKII, G.B.
1 APPROXIMATE SOLUTION OF THE SINGULAR INTEGRAL EQUATION
     OF LALESCO-PICARD, SB. MAT. ZH. 2(1961), 943-945,
     MR:26-2841 <76.C>
KRASNOSEL'SKII, M.A.   (SEE ALSO - BAHTIN, I.A.)
1 APPLICATION OF VARIATIONAL METHODS IN PROBLEMS OF
     BIFURCATION THEORY, MAT. SBORNIK. 33 (75) (1953) 199-214,
     MR:15-439 <27.0>
2 ON SOME METHODS OF APPROXIMATE CALCULATION OF
     CHARACTERISTIC VALUES AND VECTORS OF A POSITIVE DEFINITE
     MATRIX, USPEHI MAT. NAUK 11 (1956) NO. 3 (69) 151-158
     TRANSL. AMER. MATH. SOC. TRANSL. (2) 12 155-162,
     MR:18-676 <54.0>
3 POSITIVE SOLUTIONS OF OPERATOR EQUATIONS, MOSCOW (1962),
     TRANSL. NOORDHOFF (1964), MR:26-2862 <01.C, 26.0,
     27.0>
4 SOME PROBLEMS OF NONLINEAR ANALYSIS, USPEHI MAT. NAUK
     (N.S.) 9 (1954) NO. 3 (61) 57-114 AMER. MATH. SCC.
     TRANSL. (2) (1958) 345-409, MR:17-769 <05.0, 26.0,
     27.0, 28.0>
5 TOPOLOGICAL METHODS IN THE THEORY OF NONLINEAR INTEGRAL
     EQUATIONS, ENGLISH TRANS. PERGAMON AND MACMILLAN (1964),
     MR:20-3464,MR:28-2414 <01.0, 26.0, 27.0>
6 ON NEKRASOV'S EQUATION IN THE THEORY OF WAVES ON THE
     SURFACE OF A HEAVY FLUID, DOKL. AKAD. NAUK. SSSR (N.S.)
     103(1955),456-459, MR:20-3692 <27.C, 112.1>
7 INVESTIGATION OF THE SPECTRUM OF A NONLINEAR OPERATOR IN
     THE NEIGHBORHOOD OF A BRANCH POINT AND AN APPLICATION TO
     THE PROBLEM OF LONGITUDINAL BENDING OF A COMPRESSED ROD,
     USPEHI MAT. NAUK 12 (1957) 203-208 TRANSL. AMER. MATH.
     SOC. TRANSL. (2) 16 (1960) 418-423, MR:19-45,MR:22A-8379
     <27.C>
8 FUNCTIONAL ANALYSIS AND TOPOLOGY IN NON-LINEAR PROBLEMS
     OF DIFFERENTIAL AND INTEGRAL EQUATIONS, PROC. FOURTH
     ALL-UNION MATH. CONGR. VOL I. PP.120-133, IZDAT. AKAD.
     NAUK SSSR, LENINGRAD 1963, MR:30-5187 <05.0, 34.0>
9 NEW EXISTENCE THEOREMS FOR SOLUTIONS OF NONLINEAR
     INTEGRAL EQUATIONS, DOKL. AKAD. NAUK. SSSR (N.S.)
     88(1953), 949-952, MR:14-1095 <26.0>
KRASNOSEL'SKII, M.A., POVOLOCKII, A.I.
1 ON THE VARIATIONAL METHOD IN PROBLEMS OF BIFURCATION
     POINTS, DOKLADY AKAD. NAUK. SSSR 91 (1953) 19-,
     MR:15-440 <27.0>

KRASNOSEL'SKII, M.A., RUTICKII, YA.
1   ORLICZ SPACES AND NON-LINEAR INTEGRAL EQUATIONS, TRUDY
    MOSKOV. MAT.OBSC. 7 (1958) 63, MR:21-7433 <26.0>
2   SOME APPROXIMATE METHODS OF SOLVING NON-LINEAR OPERATOR
    EQUATIONS BY LINEARIZATION, DOKL. AKAD. NAUK SSSR
    141(1961) 785-788, MR:26-7146 <49.9>
KRASOVSKII, Y.P.
1   ON THE THEORY OF STEADY-STATE WAVES OF FINITE AMPLITUDE,
    U.S.S.R. COMP. MATH. AND MATH. PHYS. 1 (1961) 836-855,
    MR:25-1731 <112.1>
2   ON THE THEORY OF STEADY WAVES OF LARGE AMPLITUDE, DOKL.
    AKAD. NAUK. SSSR 130 (1960) 1237-1240 TRANSL. SOVIET
    PHYSICS DOKL. 5, 62-65, MR:23-82280 <112.1>
KRAUS, L.
1   DIE EINFLUSSLINIEN VON BRUCKENTRAGERN AUF DREI BZW. VIER
    STUTZEN MIT NACH EINEM HYPERBELGESETZ VERANDERLICHEM
    VERLAUF DES TRAGHEITMOMENTES, BAU ING. 35 (1960) 258-262
    <104.2>
2   DIE INTEGRALGLEICHUNGEN DER KIPPUNG GERADER TRAGER MIT
    DUNNWANDIGEN OFFENEN UND DOPPELTSYMMETRISCHEN PROFILEN,
    ING. ARCH. 26 (1958) 1-19 <104.2>
3   INTEGRALGLEICHUNGEN GERADER KIPPTRAGER MIT DUNNWANDIGEN
    OFFENEN UND QUASI-WOLBFREIEN OFILEN, ING.-ARCH. 29
    (1960) 187-193, MR:22-4202 <104.2>
4   BASIC SOLUTION OF THE PROBLEM OF UNRESTRAINED LATERAL
    BUCKLING OF RECTANGULAR FRAMES WITH DOUBLY SYMMETRICAL
    CROSS SECTION, ING. ARCH. 30(1961), 334-409, AMR:15-6363
    <104.2>
5   INTEGRAL EQUATIONS OF THIN-WALLED BEAMS WITH OPEN,
    WARPING-FREE SECTION, ING. ARCH. 29(1960), 187-198,
    AMR:14-2411 <104.2>
KRAVTSOV, V.V.
1   ON A METHOD FOR THE SOLUTION OF THE DIFFRACTION PROBLEM
    (TWO DIMENSIONAL CASE), U.S.S.R. COMP. MATH. AND MATH.
    PHYS. 4 (1964) <95.0>
KREIN, M.G.   (SEE ALSO GANTMACHER, F.R.,
                         GOHBERG, I.C.)
1   DETERMINATION OF THE DENSITY OF A NONHOMOGENEOUS
    SYMMET   CORD BY ITS FREQUENCY SPECTRUM, DOKLADY AKAD.
    NAUK. SSSR (N.S.) 76 (1951) 345-348, MR:13-43 <24.0,
    115.0>
2   INTEGRAL EQUATIONS ON A HALF-LINE WITH KERNEL DEPENDING
    ON THE DIFFERENCES OF THE ARGUMENT, USPEHI MAT. NAUK. 13
    (1958) NO. 5 (83) 3-123 AMER. MATH. SOC. TRANSL. (2) 22
    163-288, MR:21-1507 <70.0>
3   ON A NEW METHOD OF SOLUTION OF LINEAR INTEGRAL EQUATIONS
    OF FIRST AND SECOND KINDS, DOKL. AKAD. NAUK. SSSR (N.S.)
    100 (1955) 413-416, MR:17-375 <59.4>
4   ON INTEGRAL EQUATIONS GENERATING DIFFERENTIAL EQUATIONS
    OF SECOND ORDER, DOKLADY AKAD. NAUK SSSR (N.S.) 97
    (1954) 21-24, MR:16-372 <77.0, 89.0>

KREIN, M.G., RUTMAN, M.

  1 LINEAR OPERATORS LEAVING INVARIANT A CONE IN BANACH
      SPACE, AMER. MATH. SOC. TRANS. 26 (1950), MR:12-341
      <34.0>

KREISEL, G.

  1 SOME REMARKS ON INTEGRAL EQUATIONS WITH DIFFERENCE
      KERNELS, PROC. ROY. SOC. LONDON SER. A 197(1949),
      160-183, MR:10-715 <56.0>

KRESS, R.

  1 UBER DIE INTEGRALGLEICHUNG DES PRAGERSCHEN PROBLEMS,
      ARCH. RAT. MECH. ANAL. 30(1968), 381-400 <90.3>

  2 EIN ITERATIONSVERFAHREN FUR EINE KLASSE VON
      FUNKTIONALGLEICHUNGEN ZWEITER ART., J. REINE. ANGEW.
      MATH. 238(1968), 207-216 <49.0>

  3 TREATMENT OF THE PRAGER PROBLEM OF POTENTIAL THEORY BY
      THE INTEGRAL EQUATION METHOD, PHYS. FLUIDS. 12(1969.,
      SUPP. 2, 120-125 <90.3>

KRISTIANSSON, L.

  1 ON ''SLIDING APPROXIMATIONS'' ASSOCIATED WITH CERTAIN
      LINEAR DIFFERENTIAL EQUATIONS, J. MATH. ANAL. APPL. 23
      (1968) 110-116, MR:37-3083 <10.0>

KRIVOSHEIN, L.E.   (SEE - MANGERON, D.)

KROOK, M.

  1 ON THE SOLUTION OF EQUATIONS OF TRANSFER. I., ASTROPHYS.
      J. 122 (1955) 488-497, MR:17-543 <119.3>

KRYLOV, N.M., BOGOLIUBOV, N.N.

  1 LA SOLUTION APPROCHEE DU PROBLEME DE DIRICHLET, DOKL.
      AKAD. NAUK. SSSR(1929), 283-288 <90.2>

KRYLOV, V.I.   (SEE - KANTOROVICH, L.V.)

KSCHWENDT, H.

  1 LOSUNG VON BESTIMMTEN INTEGRALGLEICHUNGEN DURCH
      FOURIERREIHEN, ZAMM 50 (1970) T19-21

  2 LEGENDRE EXPANSION AND INTEGRAL EQUATIONS OF
      DISPLACEMENT TYPE, J. COMPUTATIONAL PHYS. 5(1970),
      84-102, MR:40-6203 <77.0>

KUCHEMANN, D.

  1 A SIMPLE METHOD FOR CALCULATING THE SPAN AND CHORDWISE
      LOADING ON STRAIGHT AND SWEPT WINGS OF ANY GIVEN ASPECT
      RATIO AT SUBSONIC SPEEDS, REPT. AND MEM. AERO. RES.
      COUNCIL NO. 2935 (1956), MR:18-352 <108.6>

KUCHEROV, V.A.   (SEE - ALEKSANDROV, V.M.)

KUDRIAVTJEV, B.A., PARTON, V.Z.

  1 DUAL TRIGNOMETRIC SERIES IN CRACK AND PUNCH PROBLEMS,
      PMM 33(1969) 844-849, TRANSL. J. APPL. MATH. MECH.
      819-825 <66.1>

KUESSNER, H.G.

  1 A GENERAL METHOD FOR SOLVING PROBLEMS OF THE UNSTEADY
      LIFTING SURFACE THEORY IN THE SUBSONIC RANGE, J.
      AERONAUT. SCIENCES 21 (1954) 17-26, MR:15-400 <108.6>

  2 A REVIEW OF THE TWO-DIMENSIONAL PROBLEM OF UNSTEADY
      LIFTING SURFACE THEORY DURING THE LAST THIRTY YEARS,
      INST. FOR APPLIED MATH. OF FLUID DYN. MARYLAND (1953)
      LECTURE SERIES 23, MR:14-1138 <108.6>

KUPRADZE, V.D.

1   A METHOD FOR THE APPROXIMATE SOLUTION OF LIMITING
    PROBLEMS IN MATHEMATICAL PHYSICS, U. S. S. R. COMP.
    MATH. AND MATH. PHYS. 4 (1964) 199-205, MR:30-4390
    <90.9>

2   BOUNDARY PROBLEMS OF THE THEORY OF VIBRATIONS AND
    INTEGRAL EQUATIONS (RUSSIAN), MOSCOW (1950) GERMAN
    TRANSL. DEUTSCHER VERLAG (1956), MR:15-318,MR:18-135
    <95.0, 105.0>

3   POTENTIAL-THEORETIC METHODS IN THE THEORY OF ELASTICITY,
    GOSUDARSTV. IZDAT. FIZ.-MAT. LIT. MOSCOW (1963), ISRAEL
    PROGRAM FOR SCIENTIFIC TRANSL., JERUSALEM (1965),
    MR:28-1808,MR:36-6177 <59.8, 104.0>

4   THE BASIC EXISTENCE THEOREMS OF SPACE ELASTICITY THEORY,
    DIFFERENCIAL'NYE URAVNENIJA 3(1967), 707-721, MR:35-7631
    <78.0, 104.0>

5   ON A PROBLEM OF EQUIVALENCE IN THE THEORY OF SINGULAR
    INTEGRAL EQUATIONS, BULL. ACAD. SCI. GEORGIAN SSR
    2(1941), 793-798, MR:5-269 <78.0>

6   SINGULAR INTEGRAL EQUATIONS AND BOUNDARY-VALUE PROBLEMS
    OF ELASTICITY THEORY, TBILISS. GOS. UNIV. TRUDY. SER.
    MEH.-MAT. NAUK. 84(1962), 63-75, MR:27-2166 <105.0>

7   ZUR THEORIE DER INTEGRALGLEICHUNGEN MIT DEM INTEGRAL IM
    SINNE DES CAUCHYSCHEN HAUPTWERTES, IZV. AKAD. NAUK. SSSR
    5(1941), 255-262, MR:3-48 <73.0, 78.0>

KUPRADZE, V.D., ALEKSIDZE, M.A.

1   THE METHOD OF FUNCTIONAL EQUATIONS FOR THE APPROXIMATE
    SOLUTION OF CERTAIN BOUNDARY VALUE PROBLEMS, Z. VYCISL.
    MAT. I MAT. FIZ. 4(1964), 683-715, MR:29-5435 <59.8>

KURILKO, V.I.   (SEE - KALMYKOVA, S.S.)

KUPPEL, N.S., MIGOVICH, F.M.

1   SOME GENERALIZATIONS OF THE NEWTON-KANTOROVICH METHOD,
    UKRAINSKII MAT. Z. 21(1969), 594-609, TRANSL. UKR. MATH.
    J. 502-514 <49.8>

KURSIN, L.M.

1   MIXED PLANE BOUNDARY VALUE PROBLEMS OF THE THEORY OF
    ELASTICITY FOR A QUADRANT, P.M.M. 23 (1959) 931-984
    TRANSL. J. MATH. MECH. 23 (1959) 1403-1408, MR:22-5191
    <103.1>

KURTH, R.

1   ZUR SCHWARZSCHILDSCHEN INTEGRALGLEICHUNG, Z. ASTROPHYS.
    31 (1952) 115-120, MR:15-800 <56.0, 119.0>

KUSCER, I.   (SEE - MCCORMICK, N.J.)

KUSSMAUL, R.

1   UBER DIE NUMERISCHE BEHANDLUNG DES DIRICHLETSCHEN
    AUSSENRAUMPROBLEMS FUR DIE HELMHOLTZSCHE
    SCHWINGUNGSGLEICHUNG, THESIS KARLSRUHE (1968) <53.2,
    95.0>

2   EIN NUMERISCHES VERFAHREN ZUR LOSUNG DES NEUMANNSCHEN
    AUSSENRAUMPROBLEMS FUR DIE HELMHOLTZSCHE
    SCHWINGUNGSGLEICHUNG, COMPUTING 4(1969), 246-273,
    MR:39-6531 <43.0>

KUSSMAUL, R., WERNER, P.
1 FEHLERABSCHATZUNGEN FUR EIN NUMERISCHES VERFAHREN ZUR
AUFLOSUNG LINEARER INTEGRALGLEICHUNGEN MIT
SCHWACHSINGULAREN KERNEN, COMPUTING 3(1968), 22-46,
MR:38-5411 <43.0>

KUSSNER, H.G.
1 ZUSAMMENFASSENDER BERICHT UBER DEN INSTATIONAREN
AUFTRIEB VON FLUGELN, LUFTFAHRTFORSCHUNG 13 (1936)
410-424 <108.0>
2 DAS ZWEIDIMENSIONALE PROBLEM DER BELIEBIG BEWEGTEN
TRAGFLACHE UNTER BERUCKSICHTIGUNG VON BEWEGUNGEN DER
FLUSSIGKEIT, LUFTFAHRTFORSCHUNG 17 (1940) 355-361, (SEE
ALSO 362-369),, MR:3-285 <108.0>

KUZMAK, G.E.
1 ON A REPRESENTATION OF THE SOLUTION OF THE BASIC INTEGRO
DIFFERENTIAL EQUATION OF A WING, AKAD. NAUK. SSSR PRIKL.
MAT. MEH. 16 (1952) 715-718, MR:14-696 <50.0, 108.0>

KUZ'MIN, IU.N.
1 SOME AXIALLY SYMMETRIC PROBLEMS IN HEAT FLOW WITH MIXED
BOUNDARY CONDITIONS, ZHURNAL TEKH. FIZ. 36(1966),
230-238, TRANSL. SOV. PHYS. TECH. PHYS. 11(1966),
169-173, AMR:20-8832 <92.3>
2 OUTER DIRICHLET PROBLEM FOR A SEMI-INFINITE CYLINDER,
PMM 33(1969), 287-290, TRANSL. J. APPL. MATH. MECH.
268-271 <92.9>
3 PLANE-LAYER PROBLEM IN THE THEORY OF HEAT CONDUCTIVITY
FOR MIXED BOUNDARY CONDITIONS, Z. TEKH. FIZ. 36(1966),
1333-1338, TRANSL. SOV. PHYS. TECH. PHYS. 11(1967),
996-999, AMR:21-9199 <91.0>

KUZ'MIN, IU.N., UFLIAND, IA.S.
1 AXISYMMETRIC PROBLEM IN THE THEORY OF ELASTICITY FOR A
HALF-SPACE WEAKENED BY A PLANE CIRCULAR CRACK, P.M.M. 29
(1965) 1132-1137 TRANSL. OF APPL. MATH. MECH. 1330-1336,
MR:20-7006 <103.6>
2 THE CONTACT PROBLEM OF AN ELASTIC LAYER COMPRESSED BY
TWO PUNCHES, P.M.M. 31 4 (1967) 711-715 TRANSL. IN J.
APPL. MATH. MECH. 31 (1967) 725-731, AMR:22-6722 <103.7>

KUZNETSOV, A.I.
1 PENETRATION OF RIGID DIES INTO A HALF-SPACE WITH POWER -
LAW HARDENING AND WITH NONLINEAR CREEP OF THE MATERIAL,
P. M. M. , 481-491, TRANSL. IN J. APPL. MATH. MECH.
711-732, MR:16-5046 <106.0>

KWAN, C.-C., LIN, C.
1 SUR LE METHODE D'EQUATIONS APPROXIMATIVES POUR RESOUDRE
DES EQUATIONS FONCTIONNELLES NON-LINEARES, SCI. RECORD 1
(1957) 385-389, MR:21-3786 <49.8>

KYNCH, G.J.
1 THE CALCULATION OF SCATTERING AMPLITUDES, PROC. PHYS.
SOC. SECT. A. 65 (1952) 708-718, MR:14-710 <116.0>

LAASONEN, P.
1 EINE VERALLGEMEINERUNG DES SYMMETRISCHEN KERNES EINER
INTEGRALGLEICHUNG, ANN. ACAD. SCI. FENNICAE. SER. A. 1.
MATH. AND PHYS. NO. 118 (1952),, MR:15-37 <21.0>

LAITONE, E.V.   (SEE - WEHAUSEN, J.V.)

LAKSMIKANTHAM, V., RAO, M.M.
1   INTEGRODIFFERENTIAL EQUATIONS AND EXTENSIONS OF
      LYAPUNOV'S METHOD, J. MATH. ANAL. APPL. 30(1970),
      435-447, MR:40-7757 <17.0>

LAM, J.
1   RADIATION OF A POINT CHARGE MOVING UNIFORMLY OVER AN
      INFINITE ARRAY OF CONDUCTING HALF-PLANES, J. MATH. PHYS.
      8(1967), 1053-

LAMB, G.L.,JR.
1   ON THE TRANSMISSION OF A SPHERICAL SOUND WAVE THROUGH A
      STRETCHED MEMBRANE, J. ACOUST. SOC. AMER. 29 (1957),
      1091-1095, MR:19-916 <101.0>
2   DIFFRACTION OF A PLANE SOUND WAVE BY A SEMI-INFINITE
      THIN ELASTIC PLATE, J. ACOUST SOC. AMER. 31(1959),
      929-935, MR:21-4723 <96.0>
3   THE TRANSMISSION OF A SPHERICAL SOUND WAVE THROUGH A
      THIN ELASTIC PLATE, ANN. PHYS. 1(1957), 233-246,
      MR:19-1008 <101.0>

LAMBE, C.G.
1   INTEGRAL EQUATIONS SATISFIED BY LAME-WANGERIN FUNCTIONS,
      PROC. EDINBURGH MATH. SOC. 10 (1954),71-75, MR:16-595
      <87.0>

LAMPERTI, J.
1   MONOTONIC SOLUTIONS OF CERTAIN INTEGRAL EQUATIONS, ARCH.
      RATIONAL MECH. ANAL. 13(1963), 309-320, MR:19-890,
      MR:27-1998 <79.0, 121.0>

LANCE, G.N.
1   THE KERNEL FUNCTION OF THE INTEGRAL EQUATION RELATING
      THE LIFT AND DOWNWASH DISTRIBUTIONS OF OSCILLATING
      FINITE WINGS IN SUBSONIC FLOW, J. AERONAUT. SCI. 21
      (1954), 635-636, MR:16-87 <108.6>

LANCZOS, C.
1   AN ITERATION METHOD FOR THE SOLUTION OF THE EIGENVALUE
      PROBLEM OF LINEAR DIFFERENTIAL AND INTEGRAL OPERATORS,
      J. RES. NAT. BUR. STAND. 45 (1950), 255-282, MR:13-163
      <54.0>

LANDAU, H.J.   (SEE - SLEPIAN, D.)

LANDAU, H.J., POLLAK, H.O.
1   PROLATE SPHEROIDAL FUNCTIONS, FOURIER ANALYSIS, AND
      UNCERTAINTY, III, BELL SYST. TECH. J. 41(1962),
      1295-1336 <77.7>
2   THE EIGENVALUE BEHAVIOR OF CERTAIN CONVOLUTION EQUATIONS,
      TRANS. AMER. MATH. SOC. 115 (1965), 242-256, MR:33-7988
      <77.7>

LANDO, YU.K.
1   EIGENVALUES AND EIGENFUNCTIONS FOR INTEGRODIFFERENTIAL
      OPERATORS, DIFFERENTIAL'NYE URAVNENIYA 1 (1965), TRANSL.
      DIFF. EQNS., 977-989, MR:32-7842 <24.9, 30.0>

LANDSHOFF, P.V.   (SEE - EDEN, R.J.)

LANGWEBER, L.
    1   POTENTIAL FLOW ABOUT BODIES OF REVOLUTION AND SYMMETRIC
            TWO-DIMENSIONAL FORMS, IOWA INST. OF HYDRAULIC RES.
            TECH., REPT (195.) <111.0>
    2   AN ITERATION FORMULA FOR FREDHOLM INTEGRAL EQUATIONS OF
            THE FIRST KIND, AMER. J. MATH. 73 (1951), 615-624,
            MR:13-247 <56.0>
LANE, R.O., MOREHOUSE, N.F., PHILLIPS, D.L.
    1   THE CONNECTION OF RESONANCE PEAKS FOR EXPERIMENTAL
            RESOLUTION, NUCLEAR. INSTR. AND METHODS 9 (1960), 87-91
            <56.0>
LANGENHOP, C.E.
    1   PROPERTIES OF KERNELS OF INTEGRAL EQUATIONS WHOSE
            ITERATES SATISFY LINEAR RELATIONS, IOWA STATE COLL. J.
            SCI. 23 (1948), 50-52, MR:10-715 <22.0>
LANGER, R.E.
    1   THE SOLUTIONS OF A CLASS OF ORDINARY LINEAR DIFFERENTIAL
            EQUATIONS OF THE THIRD ORDER IN A REGION CONTAINING
            MULTIPLE TURNING POINT, DUKE MATH. J. 23 (1956), 93-110,
            MR:18-127 <85.0>
LANZ, L., PROSPERI, G.M.
    1   ASYMPTOTIC BEHAVIOR OF A FUNCTION EXPRESSED THROUGH A
            DISPERSION INTEGRAL, NUOVO CIMENTO 33 (1964), 201-210,
            MR:32-3576 <78.0, 116.8>
LAPORTE, O., FOWLER, R.G.
    1   WEBER'S MIXED BOUNDARY VALUE PROBLEM IN ELECTRODYNAMICS,
            J. MATH. PHYS. 8 (1967), 518-522 <92.1>
LAPTINSKII, V.N.
    1   A CERTAIN INEQUALITY, DIFFERENTIAL'NYE URAVNENIJA 4
            (1968), 358-369, MR:37-1910 <11.0>
LAROCK, B.E., STREET, R.L.
    1   A NONLINEAR SOLUTION FOR A FULLY CAVITATING HYDROFOIL
            BENEATH A FREE SURFACE, J. SHIP. RES. 11(1967), 131-139,
            AMR:21-1140 <74.5, 109.0>
    2   A RIEMANN-HILBERT PROBLEM FOR NONLINEAR FULLY CAVITATING
            FLOW, J. SHIP. RES. 9(1965), 170-178, MR:33-940 <74.5,
            109.0>
LASOTA, A.
    1   SUR UNE GENERALISATION DU PREMIER THEOREME DE FREDHOLM,
            BULL. ACAD. POLON. SCI. SER. MATH. ASTRONOM. PHYS. 11
            (1963), 89-94, MR:27-6154 <26.0, 34.0>
LATTA, G.E.
    1   THE SOLUTION OF A CLASS OF INTEGRAL EQUATIONS REDUCIBLE
            TO ORDINARY DIFFERENTIAL EQUATIONS, REPT. NO. TR32, JAN.
            (1955), APPL. MATH. STAT. LABS., STANFORD UNIV., CALIF.
            <77.0>
    2   SOME DIFFERENTIAL EQUATIONS OF THE MATHIEU TYPE, AND
            RELATED INTEGRAL EQUATIONS, J. MATH. PHYS. 42 (1963),
            139-146, MR:27-374 <87.0, 96.2>
    3   THE SOLUTION OF A CLASS OF INTEGRAL EQUATIONS, J. RAT.
            MECH. ANAL. 5 (1956), 821-834, MR:20-189F <77.0>
LATTER, R.   (SEE ALSO - BELLMAN, R.)

1 A CLASS OF INTEGRAL EQUATIONS, RAND CORP. P-130 (1950),
   <71.8>
2 ASYMPTOTIC SOLUTIONS FOR A CLASS OF INTEGRAL EQUATIONS,
   RAND CORP. P-544 (1954), <71.8>
3 A NOTE ON THE WIENER-HOPF TECHNIQUE FOR SOLVING INTEGRAL
   EQUATIONS, TECH. REPT. NO. 56, SEPT. (1956), APPL. MATH.
   STAT. LAB., STANFORD UNIV., CALIF. <70.0>
4 APPROXIMATE SOLUTIONS FOR A CLASS OF INTEGRAL EQUATIONS,
   QUART. APPL. MATH. 16 (1958), 21-31, MR:21-2890 <71.8>
LATTES, R.
1 METHODS OF RESOLUTION FOR SELECTED BOUNDARY PROBLEMS IN
   MATHEMATICAL PHYSICS, GORDON AND BREECH,MR:21-2890
LATZ, N.   (SEE - MEISTER, E.)
LAUCK, A.
1 DIE UBERFALL UBER EIN WEHR, ZEITS ANG. MATH. MECH. 5
   (1925), 1-16 <123.2>
LAURMANN, J.A.   (SEE ALSO - ROBINSON, A.)
1 WING THEORY, CAMBRIDGE UNIV. PRESS (1956) <108.0, 108.6,
   108.8>
LAUWEPIER, H.A.
1 SOLUTION OF THE EQUATION OF HELMHOLTZ IN AN ANGLE, IV.,
   KONINKL. NEDERL. AKADEMIC VAN WETENSCHAPPEN, SERIES A,
   64.3 AND INDAG. MATH. 23, 3(1961), 348-359, MR:25-5274
   <74.7, 96.7>
2 SOLUTIONS OF THE EQUATION OF HELMHOLTZ IN AN ANGLE, V.,
   KONINKL. NEDERL. AKADEMIC VAN WETENSCHAPPEN, SERIES A,
   65, 1, AND INDAG. MATH. 24, 1, (1962), 93-99, MR:25-5275
   <74.7>
3 THE HILBERT PROBLEM FOR GENERALIZED FUNCTIONS, ARCH.
   RAT. MECHS. ANAL. 13 (1963), 157-166, MR:26-4135 <74.5>
4 SOLUTIONS OF THE EQUATION OF HELMHOLTZ IN AN ANGLE VI:
   THE CASE OF A SEMIINFINITE BARRIER, KONINKL. NEDERL.
   AKADEMIC WETENSCHAPPEN SERIES A 65,4 AND INDAG. MATH. 24,
   4 (1962), 473-483, MR:26-6577 <74.7, 96.7>
5 THE SURFACE CHARGE OF A SEMI-INFINITE CYLINDER DUE TO AN
   AXIAL POINT CHARGE, APPL. SCI. RES. (SECTION B)
   8(1959/60) 277-289, MR:24-8686 <71.0, 92.9>
LAVRENT'EV, M.M.
1 INTEGRAL EQUATIONS OF THE FIRST KIND, DOKL. AKAD. NAUK
   SSSR 127 (1959), 31-33, MR:22-1799 <56.0>
2 ON A CLASS OF NON-LINEAR INTEGRAL EQUATIONS, SIBIRSK
   MAT. Z. 4(1963), 837-844, MR:28-1462 <28.0>
3 SOLVABILITY OF NONLINEAR EQUATIONS, DOKL. AKAD. NAUK
   SSSR 175 (1967), 1219-1221 TRANSL. SOVIET MATH. DOKL.
   (1967), 993-996, MR:36-6990 <26.0, 34.0>
LAWRENCE, E.G.
1 DIFFRACTION OF ELASTIC WAVES BY A RIGID INCLUSION,
   QUART. J. MECH. APPL. MATH. 23(1970), 389-397 <105.5>
LAWRENCE, H.R., WANG, C.J., REDDY, R.B.
1 VARIATIONAL SOLUTION OF FUEL SLOSHING MODES, JET
   PROPULSION 28(1958), 729-735 <48.5, 113.0>
LEA, D.N.   (SEE - DECELL, H.P.)

LEBEDEV, N.N.
    1 THE ELECTROSTATIC DISTRIBUTION ON A THIN PARABOLOIDAL
        SEGMENT, DOKL. AKAD. NAUK SSSR 114(1957), 513-516 <92.8>
    2 EQUATIONS INTEGRALES POUR LES SOLUTIONS PERIODIQUES DE
        L'EQUATION- U'' + (A0 + A1 * COS(2*X) + A2 * COS(4*X)) *
        U = 0, DOKL. ACAD. SCI. URSS (N.S.) 52(1946), 391-394,
        MR:8-269 <87.0>
    3 SOME SINGULAR INTEGRAL EQUATIONS CONNECTED WITH INTEGRAL
        REPRESENTATIONS OF MATHEMATICAL PHYSICS, DOKL. AKAD.
        NAUK SSSR (N.S.) 65(1949), 621-624, MR:10-604 <62.0>
LEBEDEV, N.N., PERGAMENCEUA, E.D.
    1 INTEGRAL EQUATIONS FOR THE PERODIC SOLUTIONS OF
        WHITTAKER'S EQUATION, DOKL. AKAD. NAUK SSSR 140(1961),
        1252-1254, MR:24-A2706 <87.0>
LEBEDEV, N.N., SKAL'SKAYA, I.P.
    1 ELECTROSTATIC DISTRIBUTION OVER A THIN SEGMENT OF A
        HYPERBOLOID, U. S. S. R. COMP. MATH. AND MATH. PHYS.
        7(1967), 137-148, ZH. VYCH. MAT. MAT. FIZ. 7(1967),
        348-356, MR:35-3964 <67.8, 32.8>
    2 A NEW METHOD FOR SOLVING THE PROBLEM OF THE DIFFRACTION
        OF ELECTRONMAGNETIC WAVES BY A THIN CONDUCTING DISK, Z.
        TEHN. FIZ. 29(1959) 700-710, TRANSL. SOVIET PHYS. TECH.
        PHYS. 4(1959) 627-637, MR:24-B1507 <67.5, 97.0>
    3 INTEGRAL EXPANSION OF AN ARBITRARY FUNCTION IN TERMS OF
        SPHERICAL FUNCTIONS, PRIKL. MAT. MEH.. 30 (1966),
        252-258 TRANS. J. APPL. MATH. MECH. 30 (1966), 314-321,
        MR:36-621 <62.0>
LEBEDEV, N.N., UFLIAND, IA.S.
    1 AXISYMMETRIC CONTACT PROBLEM FOR AN ELASTIC LAYER, P. M.
        M. 22(1958), 320-326, TRANSL. J. APPL. MATH. MECH.,
        442-450, MR:21-1006 <67.5, 103.7>
LEBEDEV, V.I.
    1 ON THE KP-METHOD OF IMPROVING THE CONVERGENCE OF
        ITERATIONS IN SOLVING THE KINETIC EQUATION, Z. VYCISL.
        MAT. I MAT. FIZ. 6 (1966), NO. 4 SUPPL. 154-176,
        MR:36-1127 <119.2>
LECAINE, J.
    1 APPLICATION OF A VARIATION METHOD TO MILNE'S PROBLEM,,
        M. R. 9-147 <48.5, 119.4>
LEE, E.H.
    1 STRESS ANALYSIS IN VISCO-ELASTIC BODIES,, QUART. APPL.
        MATH. 13(1955), 183-190, MR:16-1073 <106.0>
LEE, H.C., BISSHOPP, K.E.
    1 APPLICATION OF INTEGRAL EQUATIONS TO THE FLEXURAL
        VIBRATION OF A WEDGE WITH ROTARY INERTIA AND SHEAR, J.
        FRANKLIN INST. 277(1964), 327, AMR:17-6363 <105.0>
LEE, S.W., LO , Y.T., MITTRA, R.
    1 FINITE AND INFINITE H-PLANE BIFURCATION OF A WAVE GUIDE
        WITH ANISOTROPIC PLASMA MEDIUM, CANAD. J. PHYS. 43
        (1965), 2123-2135, MR:32-5033 <71.0, 99.0>

LEEHEY, P.
1   THE HILBERT PROBLEM FOR AN AIRFOIL IN UNSTEADY FLOW, J.
    MATH. MECH. 6 (1957), 427-453, MR:19-1003 <74.5, 108.0>

LEGRAS, P.
1   UBER DAS ASYMPTOTISCHE VERHALTEN DER ERNEUERUNGSFUNKTION,
    MITT. VEREIN. SCHWEIZ. VERSICH.-MATH. 42 (1942),
    183-204, MR:6-158 <12.0, 121.0>

LEHMANN, N.J.
1   BEITRAGE ZUR NUMERISCHEN LOSUNG LINEARER
    EIGENWERTPROBLEME., I., Z. ANGEW. MATH. MECH. 29 (1949),
    341-356, MR:11-599 <54.0>
2   BEMERKUNGEN ZU EINER KLASSE POLARER
    INTEGRODIFFERENTIALGLEICHUNGEN, MATH. NACHR. 9 (1953),
    45-50, MR:14-765 <30.0>
3   BERECHUNG VON EIGENWERTSCHRANKEN BEI LINEAREN PROBLEMEN,
    ARCH. MATH. 2 (1950), 139-147, MR:12-339 <54.0>
4   BEMERKUNGEN ZU EINEM EINSCHLIESSUNGSSATZ FUR EIGENWERTE,
    Z. ANGEW. MATH. MECH. 30 (1950), 223-225, MR:12-540
    <54.0>
5   BEITRAGE ZUR NUMERISCHEN LOSUNG LINEARER
    EIGENWERTPROBLEME. II., Z. ANGEW.MATH. MECH. 30 (1950),
    1-16, MR:11-599 <54.0>

LEHNER, J.
1   THE SPECTRUM OF THE NEUTRON TRANSPORT OPERATION FOR THE
    INFINITE SLAB, J. MATH. MECH. 11(1962), 173-181,
    MR:25-995 <24.9, 119.3>
2   AN UNSYMMETRIC OPERATOR ARISING IN THE THEORY OF NEUTRON
    DIFFUSION, COMM. PURE APPL. MATH. 9 (1956), 487-497,
    MR:18-808

LEHNER, J., WING, G.M.
1   ON THE SPECTRUM OF AN UNSYMMETRIC OPERATOR ARISING IN
    THE TRANSPORT THEORY OF NEUTRONS, COMM. PURE APPL. MATH.
    8(1955), 217-234, MR:16-1120 <24.9, 119.3>
2   SCLUTION OF THE LINEARIZED BOLTZMANN TRANSPORT EQUATIONS
    FOR THE SLAB GEOMETRY, DUKE MATH. J. 23(1956), 125-142,
    MR:18-50 <24.9, 119.3>

LEIBFRIED, G.
1   VERTEILUNG VON VERSETZUNGEN IM STATISCHEN GLEICHGEWICHT,
    Z. PHYSIK 130 (1951), 214-226, MR:16-650 <73.0, 124.0>

LEIPNIK, R.
1   INTEGRAL EQUATIONS, BIORTHONORMAL EXPANSIONS, AND NOISE,
    J. SOC. IND. APPL. MATH. 7 (1959), 6-30, MR:20-7345
    <124.0>

LEIS, R.
1   UBER DIE RANDWERTAUFGABEN DAS AUSSENRAUMEN ZUR
    HELMHOLTZSCHEN SCHWINGUNGSGLEICHUNG, ARCH. RAT. MECH.
    ANAL. 9(1962), 21-44, MR:24-A3416 <95.0>
2   UBER DIE RANDWERTAUFGABEN DAS ASSENWEPTAUFGABE ZUR
    SCHWINGUNGSGLEICHUNG, Z. ANGEW. MATH. MECH. 44(1964),
    T45-T47, MR:32-6027 <95.0>
3   ZUR EINDEUTIGKEIT DER RANDWERTAUFGABEN DER HELMOLTZSCHEN
    SCHWINGUNGSGLEICHUNG, MATH. Z. 85(1964), 141-153,
    MR:29-6169 <95.0>

LEKKERKERKER, J.G.
    1   ON THE PROBLEM OF PRESCRIBED DISPLACEMENTS OF A CIRCULAR
        PART OF THE BOUNDARY OF AN ELASTIC HALF-SPACE, KONINKL
        NEDERL. AKADEMIE VAN WETENSCHAPPEN, B 65, 1(1962), 61-65
        <103.6>
LEILOUCHE, G.S.
    1   A FREQUENCY CRITERION FOR OSCILLATORY SOLUTIONS, SIAM J.
        CONTROL 8(1970), 202-206, MR:41-9611 <12.0>
LENNERTZ, J.
    1   BEITRAG ZUR FRAGE NACH DER WIRKUNG EINES QUERSTOSSES AUF
        EINEN STAB, ING. ARCH. 8 (1935), 37-46 <115.0>
LENSE, J.
    1   LINEARE INTEGRALGLEICHUNGEN, HANDBUCH DER PHYSIK 7
        (1928) 283-288 <01.0>
LEONARD, A., FERZIGER, J.
    1   ENERGY-DEPENDENT NEUTRON TRANSPORT THEORY IN A PLANE
        GEOMETRY III HALF-RANGE COMPLETENESS AND HALF-SPACE
        PROBLEMS, DEPT. NO. P-3167, JUNE (1965), RAND CORP.
        <119.8>
LEONARD, A., MULLIKIN, T.W.
    1   SOLUTIONS TO THE CRITICALITY PROBLEM FOR SPHERES AND
        SLABS, RAND CORP. RM-3256-PR (1962) <119.0>
    2   INTEGRAL EQUATIONS WITH DIFFERENCE KERNELS ON FINITE
        INTERVALS, AMER. MATH. SOC. 116(1965), 465-473,,
        MR:32-6171 <77.0, 78.0>
    3   SPECTRAL ANALYSIS OF THE ANISOTROPIC NEUTRON TRANSPORT
        KERNEL IN SLAB GEOMETRY WITH APPLICATIONS, J. MATH.
        PHYS. 5(1964), 399-411, MR:30-926 <24.9, 78.0, 119.0>
    4   INTEGRAL EQUATIONS WITH DIFFERENCE KERNELS ON FINITE
        INTERVALS, II. RESOLVENT KERNELS, RAND. CORP. RM-4235,
        28P(1964) <77.0, 78.0>
    5   THE RESOLVENT KERNEL FOR A CLASS OF INTEGRAL OPERATORS
        WITH DIFFERENCE KERNELS ON A FINITE INTERVAL, J MATH.
        PHYS. 44 (1965), 327-340, MR:32-2861 <77.0, 78.0>
    6   AN APPLICATION OF SINGULAR INTEGRAL EQUATION THEORY TO A
        LINEARIZED PROBLEM IN COUETTE FLOW, ANN. PHYS. 30(1964),
        235-248, MR:31-5644 <77.0, 78.0>
LEPPINGTON, F.G.
    1   ON THE RADIATION OF SHORT SURFACE WAVES BY A FINITE DOCK,
        J. INST. MATH. APPLIES. 6(1970), 319-340 <81.0, 112.5>
LERAY, J.
    1   ON CERTAIN CLASSES OF NON-LINEAR INTEGRAL EQUATIONS,
        COMPTE. REND PARIS 194 (1932), 1627-, 284-215 <28.0,
        112.1>
    2   STUDY OF DIVERSE NON-LINEAR INTEGRAL EQUATIONS AND SOME
        PROBLEMS POSED BY HYDRODYNAMICS, J. MATH. PURE AND APP.
        IX, S. 12 (1933), 1, 286-167 <28.0, 112.1>
LEROY, R.
    1   METHODES VARIATIONELLES DE RESOLUTIES DES EQUATIONS
        FONCTIONNELLES . EXEMPLE DES SYSTEMES LINEAIRES
        D'EQUATIONS INTEGRALES DE FREDHOLM, C. R. ACAD. SCI.,
        PARIS, 258(1964), 2255-2258, MR:29-1752 <49.5>

LESEM, L.B., HIRSCH, P.M., JORDAN, J.A.
   1   COMPUTER GENERATION AND RECONSTRUCTION OF HOLOGRAMS. I.
         B. M. 37021 (HOUSTON) 1967
LETTROSKY, F.
   1   EINIGE BETRACHTUNGEN UBER DIE INTEGRALGLEICHUNGEN DES
         SKINEFFEKTS. ANN. PHYSIK (5) 33 (1938) 300-324
LEVEY, H.C., WYNTER, P.E.
   1   THE CIRCULAR WING AND RELATED PROBLEMS. PROC. ROY SOC. A.
         268 (1962), 390-404
LEVIN, A.JU.
   1   THE FREDHOLM EQUATION WITH SMOOTH KERNEL AND
         BOUNDARY-VALUE PROBLEMS FOR A LINEAR DIFFERENTIAL
         EQUATION, DOKL. AKAD. NAUK. SSSR 159 (1964), 13-16.
         MR:29-6266   <24.0,   85.0>
LEVIN, J.J.
   1   THE ASYMPTOTIC BEHAVIOR OF THE SOLUTION OF A VOLTERRA
         EQUATION, PROC. AMER. MATH. SOC. 14 (1963), 534-541.
         MR:27-2824   <17.0>
   2   THE QUALITATIVE BEHAVIOR OF A NON-LINEAR VOLTERRA
         EQUATION, PROC. AMER. MATH. SOC. 16 (1965), 711-718.
         MR:32-8081   <12.5>
   3   A NON-LINEAR VOLTERRA EQUATION NOT OF CONVOLUTION TYPE.
         J. DIFFERENTIAL EQUATIONS 4 (1968), 176-186. MR:37-712
         <17.0>
   4   BOUNDNESS AND OSCILLATIONS OF SOME VOLTERRA AND DELAY
         EQUATIONS, J. DIFF. EQS. 5 (1969), 369-398. MR:38-4937
         <12.5>
LEVIN, J.J., NOHEL, J.A.
   1   NOTE ON A NON-LINEAR VOLTERRA EQUATION, PROC. AMER.
         MATH. SOC. 14 (1963), 924-929. MR:28-437   <17.0>
   2   A SYSTEM OF NON-LINEAR INTEGRODIFFERENTIAL EQUATIONS.
         MICHIGAN MATH. J. 13 (1966), 257-270. MR:34-3273   <17.0>
   3   ON A NON-LINEAR DELAY EQUATION, J. MATH. ANAL. APPL. 8
         (1964), 31-44. MR:29-445   <17.0>
   4   THE INTEGRODIFFERENTIAL EQUATIONS OF A CLASS OF NUCLEAR
         REACTORS WITH DELAYED NEUTRONS, ARCH. RAT. MECH. AND
         ANAL. 31 (1969), 151-172. MR:38-4936   <17.0>
   5   PERTURBATION OF A NONLINEAR VOLTERRA EQUATION. MICH.
         MATH. J. 12 (1965), 431-447. MR:32-336   <17.0>
   6   ON A SYSTEM OF INTEGRODIFFERENTIAL EQUATIONS OCCURING IN
         REACTOR DYNAMICS, J. MATH. MECH. 9 (1960), 347-368.
         MR:22-8301   <17.0>
   7   ON A SYSTEM OF INTEGRODIFFERENTIAL EQUATIONS OCCURING IN
         REACTOR DYNAMICS II. ARCH. RAT. MECH. ANAL. II (1962).
         215-243. MR:26-5390   <17.0>
   8   A NONLINEAR SYSTEM OF INTEGRODIFFERENTIAL EQUATIONS.
         MATH. THEORY OF CONTROL. 398-405. ACADEMIC (1967).
         MR:40-6219   <17.0>
LEVINE, H.   (SEE ALSO - HUANG, C.)
   1   DIFFRACTION OF SURFACE WAVES ON AN INCOMPRESSIBLE FLUID.
         J. FLUID. MECH. 15 (1963), 241-250. MR:26-5319 <112.5>

2   REFLECTION AND TRANSMISSION BY LAYERED PERIODIC
        STRUCTURES. QUART. J. MECH. APPL. MATH. 19 (1966),
        107-122, MR:34-1025   <96.0>

LEVINE, H., SCHWINGER, J.
    1   ON THE THEORY OF DIFFRACTION BY AN APERTURE IN AN
        INFINITE PLANE SCREEN, I., PHYSICAL REVIEW 74 (1948),
        958-974, MR:10-221   <48.5,   97.0>

LEVINE, H., WU, T.TSUN
    1   DIFFRACTION BY AN APERTURE AT HIGH FREQUENCIES, TECH.
        REPT. NO. 71, APPL. MATH. AND STAT. LAB., STANFORD UNIV.
        <97.5>

LEVINSON, N.
    1   A NONLINEAR VOLTERRA EQUATION ARISING IN THE THEORY OF
        SUPERFLUIDITY, J. MATH. AND APPLICS. 1,1(1960), 1-11
        <12.5>
    2   LIMITING THEOREMS FOR AGE-DEPENDENT BRANCHING PROCESSES,
        ILLINOIS J. MATH. 4 (1960) 100-118, MR:22-3046 <122.0>

LEWIN, L.
    1   ON THE RESOLUTION OF A CLASS OF WAVEGUIDE DISCONTINUITY,
        PROBLEMS BY THE USE OF SINGULAR INTEGRAL EQUATIONS, I.
        R. E. (TRANS.), MICROWAVE THEORY AND TECHNIQUES, VOL.
        MMT9, 4(1961), 321-332   <73.0,   78.0,   99.0>
    2   THE SOLUTION OF SINGULAR INTEGRAL EQUATIONS OVER A
        MULTIPLE INTERVAL AND APPLICATIONS TO MULTIPLE
        DIAPHRAGMS IN RECTANGULAR WAVE-GUIDE, SIAM. J. APPL.
        MATH. 16 (1968), 417-438, MR:37-5001   <73.0,   78.0,
        99.0>
    3   THE USE OF SINGULAR INTEGRAL EQUATIONS IN THE SOLUTION
        OF WAVEGUIDE PROBLEMS, ADVANCES IN MICROWAVES (EDITED BY
        L. YOUNG) VOL I. ACAD. PRESS (1966), 211-284   <73.0,
        78.0,   99.0>

LEWIN, K.   (SEE ALSO - SCHMELTZER, R.A.)
    1   THE EFFECT OF VERTICAL BARRIERS ON PROGRESSING WAVES, J.
        MATH. PHYS. 42(1963), 287-300, MR:28-1840 <112.5>

LEWIS, D.C., JR.
    1   COMMENTS ON THE CLASSICAL THEORY OF INTEGRAL EQUATIONS,
        J. WASHINGTON ACAD. SCI. 40 (1950), 65-71, MR:11-598
        <24.0>

LEWIS, P.A.W.   (SEE - COOLEY, J.W.)

LI, M.S.
    1   ON INTEGRAL INEQUALITIES FOR A SYSTEM OF VOLTERRA
        EQUATIONS WHOSE RIGHT-HAND SIDE IS A DISCONTINUOUS
        OPERATOR, DIFFERENCIAL'NYE URAVNENYA 1(1965), 1027-1041,
        MR:34-3255   <11.0>

LI, T.
    1   A NEW CLASS OF INTEGRAL TRANSFORMS, PROC. AMER. MATH.
        SOC. 11 (1960), 290-298, MR:22-3951   <64.5>
    2   A NOTE ON INTEGRAL TRANSFORMS, PROC. AMER. MATH. SOC. 12
        (1961), 556, MR:24-A404   <64.5>

LIANG, S.-T.
    1   ON A SINGULAR INTEGRAL EQUATION, SCI. SINICA 10 (1961),
        730-732, MR:28-441   <78.0>

LIBERMAN, L.H.
    1   ON THE STABILITY OF SOLUTIONS OF INTEGRODIFFERENTIAL
        EQUATIONS, IZV. VYS. UCEBU. ZAVED. MATHE. 3(1959),
        142-151, MR:28-1464   <17.0>
LIBOFF, R.L.
    1   A USEFUL INTEGRAL FORMULA FOR THE INITIAL REDUCTION OF
        THE TRANSPORT EQUATION, QUART. APPL. MATH. 14 (1956),
        200-201, MR:18-30 <119.3>
LICHTENSTEIN, L.
    1   VORLESUNGEN UBER EINIGE KLASSEN NICHTLINEAREN
        INTEGRALGLEICHUNGEN UND INTEGRODIFFERENTIALGLEICHUNGEN
        NEBST ANWENDUNG, BERLIN, 1931   <28.0, 112.1>
LIEPMANN, H.W., NARASIMHA, R., CHAHINE, M.T.
    1   STRUCTURE OF A PLANE SHOCK LAYER, PHYSICS OF FLUIDS 5
        (1962), 1313-1324, AMR:17-918 <113.0>
LIGHTFOOT, N.M.H.
    1   THE SOLIDIFICATION OF MOLTEN STEEL, PROC. LOND. MATH.
        SOC. 31 (1930), 97-116 <120.5>
LIGHTHILL, M.J.
    1   CONTRIBUTIONS TO THE THEORY OF HEAT TRANSFER THROUGH A
        LAMINAR BOUNDARY LAYER, PROC. ROY. SOC. 202A (1950),
        359-377, MR:12-218   <11.0>
LIHOVID, P.G.   (SEE - GOLUBENTSEV, O.M.)
LIHTARNIKOV, L.M,
    1   APPLICATION OF THE RUNGE-KUTTA METHOD FOR SOLVING
        INTEGRO-DIFFERENTIAL EQUATIONS OF FREDHOLM TYPE, Z.
        VYCISL. MAT. I MAT. FIZ. 7 (1967), 899-905, MR:36-1128
        <57.0>
LIKHODED, A.I.
    1   STEADY-STATE VIBRATIONS OF PLATES WITH FREE EDGES, PMM
        29 (1965), 920-924,TRANSL. IN J. APPL. MATH. AND MECH.
        1034-1089, AMR:20-4703 <105.6>
LIKHT, M.K.
    1   COMPUTATION OF FUNCTIONALS ON SOLUTIONS OF LINEAR
        EQUATIONS OF THE FIRST KIND, Z. VYCISL. MAT. I MAT. FIZ.
        7(1967), 667-672, U. S. S. R. COMP. MATH. AND MATH.
        PHYS. 7(1967), 271-278, MR:35-3890   <56.0>
LIN, C.   (SEE - KWAN, C.-C.)
LIN, Q.
    1   ON THE GENERAL SCHEME OF APPROXIMATION METHODS IN
        ANALYSIS, ACTA MATH. SINICA. 9 (1959), 413-431 TRANSL.
        CHINESE MATH. 9 (1967), 683-703   <46.0>
LINDLEY, D.V.
    1   THE THEORY OF QUEUES WITH A SINGLE SERVER, PROC. CAMB.
        PHIL. SOC. 48(1952), 277-289, MR:13-759   <71.0, 122.0>
LINIGER, W.   (SEE - TADJBAKHSH, I.)
LINKOVSKII, G.B.   (SEE - KRAPIVIN, V.F.)
LINZ, P.
    1   A METHOD FOR SOLVING NONLINEAR VOLTERRA INTEGRAL
        EQUATIONS OF THE SECOND KIND, MATH. OF COMP. 23(1969),
        595-599 <17.0>
    '   THE NUMERICAL SOLUTION OF CERTAIN DUAL INTEGRAL
        EQUATIONS, J. ENG. MATH. 3(1969), 245-249 <92.0>

LIOUVILLE, J.
    1   SUR LE DEVELOPMENT DES FONCTIONS ON PARTIES DE FONCTIONS
        EN SERIES DONT LES DIVERS TERMES SONT ASSUJETTI A
        SATISFAIRE A UNE MEME EQUATION DIFFERENTIELLE DU SECOND
        SOPTE CONTENANT UN PARAMETRE VARIABLE, J. DE MATH. (1),
        2(1837), 16-35 <07.0, 89.0>
    2   SUR LA THEORIE DES EQUATIONS DIFFERENTIELLES LINEAIRES
        ET SUR LE DEVELOPMENT DES FONCTIONS EN SERIES, J. MATH.
        (1), 3(1838), 561-614 <07.0, 89.0>
LIPPMANN, B.A.
    1   VARIATIONAL PRINCIPLES FOR SCATTERING PROCESSES - II. -
        SCATTERING OF SLOW NEUTRONS BY PARA-HYDROGEN, PHYS. REV.
        79(1950), 481-486, MR:12-570 <48.5, 116.3>
LIPPMANN, B.A., SCHWINGER, J.
    1   VARIATIONAL PRINCIPLES FOR SCATTERING PROCESSES - I.,
        PHYS REV. 79(1950), 469-480, MR:12-5.0 <48.5, 116.3>
LITTMAN, W.
    1   ON THE EXISTENCE OF PERIODIC WAVES NEAR CRITICAL SPEED,
        COMM. PURE APPL. MATH. 10 (1957), 241-269, MR:19-487
        <27.0, 112.1>
LITVINCHUK, G.S.
    1   ON A SINGULAR INTEGRAL EQUATION WITH A TRANSLATION,
        DOKL. AKAD. NAUK SSSR 134(1960), 1295-1298, TRANSL.
        SOVIET MATH. DOKL 1(1961), 1207-1210, MR:23-A2725 <73.0,
        78.0>
    2   SOME SYSTEMS OF SINGULAR INTEGRAL EQUATIONS, USPEHI MAT.
        NAUK 18(1963), 139-144, MR:27-2821 <73.0, 78.0>
LITVINCHUK, G.S., KHOSOBOV, E.G.
    1   ON ONE TYPE OF SINGULAR INTEGRAL EQUATION, SIBIRSKII
        MAT. ZHUR. (USSR) 5 (1964), 608-625 TRANSL. APPLIED
        PHYS. LAB. JOHN HOPKINS UNIV. SILVER SPRING M. D. RPT.
        TG-230-T510 FEB. '67, MR:29-438 <25.0>
LO , Y.T.   (SEE - LEE, S.W.)
LOCKETT, J.   (SEE - BELLMAN, R.)
LOESCH, F.
    1   ZUR PRAKTISCHEN BERECHNUNG DER EIGENWERTE LINEARER
        INTEGRALGLEICHUNGEN, Z. ANGEW. MATH. MECH. 24(1944),
        35-41 <54.0>
LOGUNOV, A.I.
    1   ON INTEGRAL INEQUALITIES FOR EQUATIONS OF VOLTERRA TYPE
        WITH RETARDED ARGUMENT, DOKL. AKAD. NAUK SSSR 150(1963),
        256-258, MR:26-5380 <14.0>
LOGUNOV, A.I., CALJUK, Z.B.
    1   ON THE UNIQUENESS OF SOLUTIONS OF VOLTERRA INTEGRAL
        EQUATIONS WITH RETARDED ARGUMENT, DOKL. AKAD. NAUK SSSR
        150(1965), 1007-1008, MR:30-3348 <14.0>
    2   ON THE UNIQUENESS OF THE SOLUTIONS OF VOLTERRA INTEGRAL
        EQUATIONS WITH RETARDED ARGUMENT, MAT. SB. (N.S.)
        67(1965),303-309, TRANSL. REPT. NO. APL-CLR-3-T-559
        (1968), APPLIED PHYSICS LAB. JOHNS HOPKINS UNIV., SILVER
        SPRING, MD., MR:32-1524 <14.0>

3   COMPARISON THEOREMS FOR VOLTERRA EQUATIONS WITH RETARDED
        ARGUMENT, DIFFERENTIAL'NYE URAV. 2(1966), 417-421,
        TRANSL. DIFF. EQNS., 208-212, MR:34-8120 <11.0, 14.0>
LOMAX, H.   (SEE - HEASLET, M.A.)
LOMAX, H., HEASLET, M.A., FULLER, F.B.
    1   INTEGRALS AND INTEGRAL EQUATIONS IN LINEARIZED WING
        THEORY, TECH. REP. NAT. ADV. COMM.AERONAUT., NO. 1054
        (1951), MR:14-383 <108.0>
LONSETH, A.T.
    1   THE PROPAGATION OF ERROR IN LINEAR PROBLEMS, TRANS.
        AMER. MATH. SOC. 62(1947), 193-212, MR:9-192 <46.0>
    2   APPROXIMATE SOLUTIONS OF FREDHOLM-TYPE INTEGRAL
        EQUATIONS, BULL. AMER. MATH. SOC. 60 (1954), 415-430,
        MR:16-291 <46.0>
LOPATINSKII, YA.B.
    1   ON A METHOD OF REDUCING BOUNDARY PROBLEMS FOR A SYSTEM
        OF DIFFERENTIAL EQUATIONS OF ELLIPTIC TYPE TO REGULAR
        INTEGRAL EQUATIONS, UKRAIN. MAT. Z. 5(1953), 123-151
        <90.9>
LOTKA, A.J.
    1   ON AN INTEGRAL EQUATION IN POPULATION ANALYSIS, ANN.
        MATH. STAT. 10(1939), 144-151 <121.0>
    2   A CONTRIBUTION TO THE THEORY OF SELF-RENEWING AGGREGATES,
        WITH SPECIAL REFERENCE TO INDUSTRIAL REPLACEMENT, ANN.
        MATH. STAT. 10 (1939), 1-25 <121.0>
    3   SUR UNE EQUATION INTEGRALE DE L'ANALYSE DEMOGRAPHIQUE ET
        INDUSTRIELLE, MITT. VEREIN. SCHWEIZ. VERSICH.-MATH. 40
        (1940), 1-16, MR:3-11 <121.0>
LOTKIN, M.
    1   THE SOLUTION BY ITERATION OF NONLINEAR INTEGRAL
        EQUATIONS, J. MATH. PHYS. 34(1955), 346-355, MR:16-866
        <49.0>
    2   ON A CERTAIN TYPE NON-LINEAR INTEGRAL EQUATIONS, BULL.
        AMER. MATH. SOC. 50 (1944), 833-841, MR:6-159 <27.0>
LOU, YU.-T.   (SEE - WANG, S.-W.)
LOVE, C.E.
    1   SINGULAR INTEGRAL EQUATIONS OF THE VOLTERRA TYPE, TRANS.
        AMER. MATH. SOC. 15 (1914), 467-476 <10.0>
LOVE, E.R.
    1   SOME INTEGRAL EQUATIONS INVOLVING HYPERGOMETRIC
        FUNCTIONS, PROC. EDIN. MATH. SOC. 15(1967), 169-198,,
        MR:35-7090 <64.5>
    2   DUAL INTEGRAL EQUATIONS, CANAD. J. MATH. 15 (1963),
        631-640, MR:27-4029 <67.5>
    3   TWO MORE HYPERGEOMETRIC INTEGRAL EQUATIONS, PROC. CAMB.
        PHILOS. SOC. 63(1967), 1055-1076, MR:35-6874 <64.5>
    4   THE ELECTROSTATIC FIELD OF TWO EQUAL CIRCULAR COAXIAL
        CONDUCTING DISKS, QUART. J. MECH. AND APPL. MATH.
        2(1949), 428-451 <92.3>
LOVITT, W.V.
    1   LINEAR INTEGRAL EQUATIONS, NEW YORK (1924) <01.0>

LOW, R.D., WEISS, H.J.
1   ON A MIXED BOUNDARY VALUE PROBLEM FOR AN INFINITE
        ELASTIC CONE, ZEITS. ANGEW. MATH. AND PHYS. 13(1962),
        232-242 <71.0>
LOWENGRUB, M.
1   SOME DUAL TRIGONOMETRIC EQUATIONS WITH AN APPLICATION TO
        ELASTICITY, INTERNAT. J. ENGRG. SCI. 4 (1966), 69-79,
        MR:34-3848 <67.1>
2   THE SOLUTION OF CERTAIN SIMULTANEOUS PAIRS OF DUAL
        INTEGRAL EQUATIONS, GLASGOW MATH. J. 9(1968), 92-102,
        MR:38-2555 <67.5>
LOWENGRUB, M., SNEDDON, I.N.
1   THE SOLUTION OF A PAIR OF DUAL INTEGRAL EQUATIONS, PROC.
        GLASGOW MATH. ASSOC. 6(1963), 14-18, MR:26-6715 <67.5>
2   AN AXISYMMETRIC BOUNDARY PROBLEM OF MIXED TYPE FOR A
        HALF-SPACE, PROC. EDINBURGH MATH. SOC. 13(1962) 39-46,
        MR:25-4120 <67.5>
LOWNDES, J.S.
1   NOTE ON A GENERALIZED MEHLER TRANSFORM, PROC. CAMB.
        PHIL. SOC. 60 (1964), 57-59, MR:28-1453 <62.0>
2   DUAL INTEGRAL EQUATIONS WITH TRIGONOMETRIC KERNELS,
        PROC. EDINBURGH MATH. SOC. (2) 15 (1966), 73-74,
        MR:34-6455 <67.1>
3   SOME DUAL SERIES AND TRIPLE INTEGRAL EQUATIONS, PROC.
        EDIN. MATH. SOC. 16(1968/69), 273-280, MR:41-8948 <65.7,
        67.9>
4   A GENERALIZATION OF THE ERDELYI-KOBER OPERATORS, PROC.
        EDIN. MATH. SOC. 17(1970), 139-148 <68.0>
LUCHKA, A.JU.
1   APPROXIMATE SOLUTION OF FREDHOLM INTEGRAL EQUATIONS BY
        THE METHOD OF AVERAGED FUNCTIONAL CORRECTIONS, UKRAIN,
        MAT. ZH. 12(1960), 32-45,, MR:28-4316 <45.6>
2   A SUFFICIENT CONDITION FOR THE CONVERGENCE OF THE
        PROCEDURE FOR AVERAGING FUNCTIONAL CORRECTIONS, DOKL.
        AKAD. NAUK SSSR 122(1958), 179-182, MR:20-4922 <45.6>
LUKE, Y.L.
1   ON THE APPROXIMATE INVERSION OF SOME LAPLACE TRANSFORMS,
        PROC. 4TH U.S. NAT. CONGR. APPL. MECH. 1(1962) 269-276,
        MR:27-4023 <63.0>
2   APPROXIMATE INVERSION OF A CLASS OF LAPLACE TRANSFORMS
        APPLICABLE TO SUPERSONIC FLOW PROBLEMS, QUART. J. MECH.
        APPL. MATH. 17(1964), 91-103, MR:28-5660 <63.0, 111.0>
LUNDGREN, T.S.   (SEE - CHANG, C.C.)
LUNDGREN, T.S., CHIANG, D.
1   SOLUTION OF A CLASS OF SINGULAR INTEGRAL EQUATIONS,
        QUART APPL. MATH. 24(1967), 303-313, MR:35-5874 <71.0,
        79.5>
LUNEBURG, R.K.   (SEE - HALPERN, O.)
LUTTINGER, J.M., THOMAS, R.B.,JR.
1   VARIATIONAL METHOD FOR STUDYING THE MOTION OF CLASSICAL
        VIBRATING SYSTEMS, J. MATH. PHYS. 1 (1960), 121-126,
        MR:22-6103 <48.5, 115.0>

LYNN, S.M.   (SEE - BARNARD, A.C.L., IKEBE, Y.)
LYNN, S.M., TIMLAKE, W.P.
  1   BOUNDS FOR PERRON EIGENVECTORS AND SUBDOMINANT
       EIGENVALUES OF POSITIVE MATRICES, I. B. M., HOUSTON
       SCIENTIFIC CENTER REPORT 37.019, (1967) <54.0>
  2   THE NUMERICAL SOLUTION OF SINGULAR INTEGRAL EQUATIONS OF
       POTENTIAL THEORY, NUM. MATH. 11(1968), 77-98 <43.0,
       53.1, 90.3>
  3   THE USE OF MULTIPLE DEFLATIONS IN THE NUMERICAL SOLUTION
       OF SINGULAR SYSTEMS OF EQUATIONS, WITH APPLICATIONS TO
       POTENTIAL THEORY, S. I. A. M. J. NUM. ANAL. 5(1968),
       303-322,, MR:37-3745 <45.9, 90.3>
  4   ON THE EIGENVALUES AND EIGENVECTORS OF THE INTEGRAL
       EQUATION FORMULATION OF THE MULTI-INTERFACE NEUMANN
       PROBLEM, J. INST. MATHS. APPLICS. 6(1970), 391-399
       <90.3>
LYUBIC, YU.I.
  1   ON A CLASS OF INTEGRAL EQUATIONS, MAT. SB. N. S. 38(80)
       (1956), 183-202, AMERICAN MATHEMATICAL SOCIETY
       TRANSLATIONS, (2) 10(1958), 291-310, MR:18-135,
       MR:20-1179 <14.6>
LYUSTERNIK, L.
  1   SOME QUESTIONS OF NON-LINEAR FUNCTIONAL ANALYSIS, USPEHI
       MAT. NAUK. II NO. 6 (72) (1956) 10, MR:18-911 <34.0>
MACCAMY, R.C.   (SEE ALSO - HEINS, A.E.)
  1   ON AN AXIALLY SYMMETRIC SINGULAR INTEGRAL EQUATION, J.
       MATH. MECH. 15 (1966) 435-453, MR:34-8125 <70.0, 92.1>
  2   ON BABINET'S PRINCIPLE, CANAD. J. MATH. 10 (1958)632-640
  3   THE NUMERICAL SOLUTION OF SINGULAR EQUATIONS, REPT. NO.
       TR19 CARNEGIE INST. TECH. PITTSBURGH, (SEPT. 1957)
       <78.0>
  4   ON SINGULAR INTEGRAL EQUATIONS WITH LOGARITHMIC OR
       CAUCHY KERNELS, J. MATH. MECH. 7 (1958) 355-375,
       MR:20-4163 <73.0, 78.0>
  5   ON THE HEAVING MOTION OF CYLINDERS OF STELLAR DRAFT, J.
       SHIP RES. 5 (1961) 34-43
  6   ON THE SCATTERING OF WATER WAVES BY A CIRCULAR DISK,
       ARCH. RAT. MECH. ANAL. 8 (1961) 120-138, MR:23-B2701
       <112.5>
  7   PAIRS OF CARLEMAN-TYPE INTEGRAL EQUATIONS, PROC. AMER.
       MATH. SOC. 16 (1965) 871-875, MR:32-4492 <73.0, 79.0>
MACDONALD, J.K.L.   (SEE - EVANS, G.W.)
MACKIE, A.G.
  1   A CLASS OF INTEGRAL EQUATIONS, AMER. MATH. MONTHLY 72
       (1965) 956-960, MR:32-4491 <64.5>
MACRAKIS, M.S.
  1   AN INTEGRAL EQUATION FOR THE POTENTIAL AT THE GAP OF A
       SLOTTED CYLINDER, CRUFT LAB. SCI. REF. NO. 19 (1958)
  2   AN INTEGRAL EQUATION FOR THE POTENTIAL AT THE GAP OF A
       SLOTTED CYLINDER, AIR FORCE CAMBRIDGE RES. CR. REPT. 19
       (1958)
MAGIROS, D.G.   (SEE - KELLER, J.B.)

MAGNARADZE, L.G.
    1 LES PROBLEMES FONDAMENTAUX DE LA THEORIE DE L'ELASTICITE
        A DEUX DIMENSIONS POUR LES CONTOURS A POINTS ANGULEUX,
        DOKL. AKAD. NAUK SSSR 16(1937), 149-153 <104.0>
    2 SOLUTION OF THE FUNDAMENTAL PROBLEMS OF PLANE THEORY OF
        ELASTICITY IN THE CASE OF CONTOURS WITH CORNERS, DOKL.
        AKAD. NAUK SSSR 19(1938), 673-676 <104.0>
MAGNUS, W.
    1 ON THE SPECTRUM OF HILBERT'S MATRIX, AMER. J. MATH. 72
        (1950) 699-704, MR:12-836 <24.9>
    2 AN INFINITE SYSTEM OF LINEAR EQUATIONS ARISING IN
        DIFFRACTION THEORY, DIV. ELECTROMAG. RES. , INST. MATH.
        SCI. , NEW YORK UNIV. , RES. REP. NO. EM-80 (1955),
        MR:17-165 <35.0, 97.0>
MAIOROV, L.V.
    1 THE CORRECTNESS OF AN INVERSE PROBLEM, Z. VYCISL. MAT. I
        MAT. FIZ. 5 (1965) 363-365, MR:34-2221 <56.0>
MAITI, M.   (SEE ALSO - JASHON, M.A.)
    1 A NOTE ON THE INTEGRAL EQUATION METHODS IN POTENTIAL
        THEORY, QUART. APPL. MATH. 25 (1968) 480-484, MR:37-047
        <90.0>
MAKINSON, G.J.
    1 NEW METHODS IN LAMINAR BOUNDARY-LAYER THEORIE, PERGAMON
        (1961)
MAKINSON, G.J., YOUNG, A.
    1 THE STABILITY OF SOLUTIONS OF DIFFERENTIAL AND INTEGRAL
        EQUATIONS, PROC. ROME SYMP. (1960), 499-509, MR:23-8580
        <89.0>
MAL, A.K.
    1 DIFFRACTION OF ELASTIC WAVES BY A PENNY-SHAPED CRACK,
        QUART. APPL. MATH. 26(1968), 231-238 AMR:22-5114 <67.5,
        105.6>
    2 DYNAMIC STRESS INTENSITY FACTOR FOR A NONAXISYMMETRIC
        LOADING OF THE PENNY SHAPED CRACK, INTERN. J. ENG. SCI.
        6(1968), 725-733, AMR:22-6885 <67.5, 105.6>
    3 DYNAMIC STRESS INTENSITY FACTOR FOR AN AXISYMMETRIC
        LOADING OF THE PENNY-SHAPED CRACK, INTERN. J. ENG. SCI.
        6(1968), 623-629, AMR:22-6036 <67.5, 105.6>
MAL, A.K., ANG, D.D., KNOPOFF, L.
    1 DIFFRACTION OF ELASTIC WAVES BY A RIGID CIRCULAR DISK,
        PROC. CAMB. PHIL. SOC. 64(1968) 237-247 <105.6>
MALIK, F.B.
    1 ON THE VARIATIONAL METHOD FOR NONRELATIVISTIC SCATTERING
        . I. DIFFERENTIAL FORM, ANN. PHYSICS 20 (1962) 464-479,
        MR:29-5551 <48.5, 116.3>
    2 ON THE VARIATIONAL METHOD OF THE NONRELATIVISTIC
        SCATTERING . II. THE INTEGRAL FORM, ANN. PHYSICS 21
        (1963) 1-7, MR:29-5552 <48.5, 116.3>
MALKEVIC, M.S.
    1 ON THE SOLUTION OF INTEGRAL EQUATIONS IN THE THEORY OF
        SCATTERING OF LIGHT IN THE ATMOSPHERE, IZV. AKAD. NAUK.
        USSR SER. GEOFIZ. (1956) 1083-1090, MR:18-767 <119.4>

MALXIN, I.
1 TWO DIMENSIONAL ELASTICITY AND MUSKHELISHVILI'S
   CONTRIBUTION TO IT, SCRIPTA MATH. 27 (1964) 49-53,
   MR:31-919 <104.0>
MAL'SAGOV, S.M.
1 AN APPLICATION OF THE NEWTON-KANTOROVIC METHOD TC THE
   SOLUTION OF NONLINEAR SINGULAR INTEGRO-DIFFERENTIAL
   EQUATIONS WITH A HILBERT KERNEL, AZERBAIDZAN. GOS. UNIV.
   UCEN. ZAP. SER. FIZ-MAT. NAUK. NO. 4 (1966) 61-69,
   MR:36-1129 <28.3, 49.8>
MALYSEV, V.A.
1 THE SOLUTION OF THE DISCRETE WIENER-HOPF EQUATIONS IN A
   QUARTER-PLANE, DOKL. AKAD. NAUK SSSR 187(1969),
   1243-1246, MR:41-7463 <35.7, 70.9>
MAMEDOV, A.M.
1 ON AN APPROXIMATE SOLUTION OF NONLINEAR INTEGRAL
   EQUATION, IZV. AKAD. NAUK AZERBAEDZA (1965), 41-48 M.R.
   33-5153 <49.8>
MAMEDOV, J.D.
1 ON THE THEORY OF SOLUTIONS OF NONLINEAR OPERATOR
   EQUATIONS OF VOLTERRA TYPE, SIBIRSK. MAT. Z. 5 (1964)
   1305, MR:31-573 <11.0>
2 A STUDY OF THE SOLUTION OF NON-LINEAR OPERATOR INTEGRAL
   EQUATIONS WITH A SINGULARITY IN A BANACH SPACE, AKAD.
   NAUK AZERBAIDZAN. SSR DOKL. 18(1962), 9-13, MR:30-2306
   <11.0>
MANDELSTAM, S.   (SEE ALSO - CHEW, G.F.)
1 DISPERSION RELATIONS IN STRONG-COUPLING PHYSICS, REP.
   PROGR. PHYS. 25(1962), 99-162, MR:27-3324 <116.8>
MANDZHAVIDZE, G.F.
1 ON A SINGULAR INTEGRAL EQUATION WITH DISCONTINUOUS
   COEFFICIENTS AND ITS APPLICATION TO THE THEORY OF
   ELASTICITY, PMM 15 (1951) 279-296, MR:13-135 <78.0,
   103.1>
MANDZHAVIDZE, G.F., HVEDELIDZE, B.V.
1 A PROBLEM FOR THE LINEAR CONJUGATE AND SINGULAR INTEGRAL
   EQUATIONS WITH CAUCHY KERNEL WITH CONTINUOUS
   COEFFICIENTS, AKAD. NAUK GRUZIN. SSR TRUDY TBILISS. MAT.
   INST. RAZMADZE 28(1962), 85-105, MR:27-551 <74.5>
MANGERON, D.
1 THE INTEGRAL EQUATION METHOD IN NONLINEAR MECHANICS,
   ACTA MATH. SINICA 12(1962) 179-180 CHINESE MATHEMATICS
   (TRANSL) 3(1963), 199-195, MR:28-3190 <17.0, 115.0>
2 NEUE GRAPHISCH-ANALYTISCHE METHODEN ZUM STUDIUM DER
   NICHTLINEAREN SCHWINGUNGEN, ABH. DEUTSCH AKAD. WISS.
   BERLIN KL. MATH. PHYS. TECH. NO.1 (1965) 76-90,
   MR:33-6330 <17.0, 115.0>
MANGERON, D., BRAIER, A., OPREA, A.
1 ANALYTICAL AND GRAPHIC METHODS CONCERNING PARTIAL
   DERIVATIVES, INTEGRO-DIFFERENTIAL POLYVIBRATING SYSTEMS
   AND ORDINARY DIFFERENTIAL SYSTEM OF NONLINEAR MECHANICS,
   J. SCI. ENGRG. RES. 10(1966), 61-73, MR:35-694 <17.0,
   115.0>

MANGERON, D., KRIVOSHEIN, L.E.
1   NEW METHODS OF NUMERICAL CALCULATION FOR THE SOLUTIONS
    OF VARIOUS INTEGRODIFFERENTIAL SYSTEMS PRESENTING
    INTEREST IN APPLIED MECHANICS, PART I, REV. ROUMAINE
    SCI. TECH. SER. MECAN. APPL. 9(1964), 1195-1221,
    MR:34-8666 <18.0>
2   NEW METHODS OF NUMERICAL CALCULATION FOR THE SOLUTION OF
    VARIOUS INTEGRODIFFERENTIAL SYSTEMS PRESENTING INTEREST
    IN APPLIED MECHANICS, PART II, REV. ROUMAINE SCI. TECH.
    SER. MECAN. APPL. 10(1965), 3-34, MR:34-8667 <18.0>
3   THE POLYNOMIAL METHOD FOR THE APPROXIMATE SOLUTION OF
    BOUNDARY VALUE PROBLEMS OF INTEGRO-DIFFERENTIAL
    EQUATIONS, CHINESE MATH. (TRANSL), 3(1963), 190-193
    <17.0>
4   SOME PROBLEMS CONCERNING THE STRUCTURE OF
    INTEGRO-DIFFERENTIAL EQUATIONS, ACTA MATH. SINICA
    14(1964) 1-6 CHINESE MATHEMATICS (TRANSL) 5(1964), 1-7,
    MR:28-5310 <17.0>
5   QUALITATIVE STUDY OF A CLASS OF BOUNDARY VALUE PROBLEMS
    FOR INTEGRO-DIFFERENTIAL EQUATIONS AND APPROXIMATE
    DETERMINATION OF THEIR SOLUTIONS, ACTA MATH. SINICA
    13(1963)63-67, TRANSL. CHINESE MATH. 4(1963), 70-75
    (TRANSL), MR:28-5309 <17.0>
MANGULIS, V.   (SEE - KOTIK, J.)
MANI, R.   (SEE - ACOSTA, A.J.)
MANN, W.R.   (SEE ALSO - ROBERTS, J.H.)
1   MEAN VALUE METHODS IN ITERATION, PROC. AMER. MATH. SOC.
    4 (1953) 506-510, MR:14-988 <49.0>
MANN, W.R., BLACKBURN, J.F.
1   A NONLINEAR STEADY-STATE TEMPERATURE PROBLEM, PROC.
    AMER. MATH. SOC. 5 (1954) 979-986, MR:16-480 <120.2>
MANN, W.R., WOLF, F.
1   HEAT TRANSFER BETWEEN SOLIDS AND GASES UNDER NONLINEAR
    BOUNDARY CONDITIONS, QUART. APPL. MATH. 9 (1951) 163-184,
    MR:13-134 <11.0, 120.2>
MANNING, I.
1   A THEOREM ON THE DETERMINANTAL SOLUTION OF THE FREDHOLM
    EQUATION, J. MATHEMATICAL PHYS. 5 (1964) 1223-1225,
    MR:31-1526 <21.2, 116.0>
MANSON, S.S.   (SEE - MENDELSON, A.)
MANSUROV, H.
1   SPEEDING UP APPROXIMATE METHODS OF SOLVING INTEGRAL
    EQUATIONS, IZV. AKAD. NAUK. UZSSR SER. FIZ-MAT. NAUK. 9
    (1965) NO. 2 11-15, MR:33-5154 <49.0>
MANUKIAN, M.M.   (SEE - ARUTUNIAN, N.KH.)
MARAVALL, D.
1   UNIQUENESS THEOREM FOR NON-LINEAR INTEGRAL EQUATIONS
    (SPANISH), REV. MAT. HISP.-AMER. 8(1948), 143-147,
    MR:10-543 <26.0>
2   THE PRINCIPLE OF SUPERPOSITION AND THE INTEGRATION OF
    INTEGRO-DIFFERENTIAL EQUATIONS WITH PARTIAL DERIVATIVES,
    EUCLIDES, MADRID 8(1948), 345-347, MR:10-543 <17.0>

MARCENKO, N.V.

1 THE EXISTENCE OF SOLUTIONS OF A CERTAIN CLASS OF
NONLINEAR INTEGRAL EQUATIONS, DOKL. AKAD. NAUK. SSSR 137
(1961) 515-518 TRANSL. SOVIET MATH. DOKL. 2.305-308.
MR:22-12353 <28.0>

MARCHUK, G.I., SULTANGAZIN, U.M.

1 PROOF OF A RESOLUTION METHOD FOR THE EQUATIONS OF
RADIATIVE TRANSFER, Z. VYCISL. MAT. I MAT. FIZ. 5(1965)
852-863, TRANSL. U. S. S. R. COMP. MATH. AND MATH. PHYS.
5(1965), 92-109, MR:33-7071 <119.0>

2 CONVERGENCE OF A DECOUPLING METHOD FOR THE RADIATION
TRANSFER EQUATION, DOKL. AKAD. NAUK SSSR 161(1965),
66-69, TRANSL. SOVIET PHYSICS DOKL. 10(1965), 197-199,
MR:32-5312 <119.0>

3 SOLVING THE KINETIC TRANSFER EQUATION BY THE SEPARATION
METHOD, DOKL. AKAD. NAUK SSSR 163(1965), 857-860,
TRANSL. SOVIET PHYS. DOKL. 10(1966), 721-724, MR:32-7124
<119.0>

4 SOLVING THE KINETIC TRANSFER EQUATION BY THE SEPARATION
METHOD, DOKL. AKAD. NAUK. SSSR 163(1965.(857-860,
TRANSL. SOV. PHYS. DOKL. 10(1966),721-724, MR:32-7124
<119.0>

MARGETSON, J., MORLAND, L.W.

1 A SIMPLIFIED PROCEDURE FOR SINGULAR INTEGRAL EQUATIONS
WITH LOGARITHMIC KERNELS, J. INST. MATHS. APPLICS
6(1970), 302-309 <77.0>

MARK, C.

1 THE NEUTRON DENSITY NEAR A PLANE SURFACE, PHYSICAL REV.
(2) 72 (1947) 558-564, MR:9-147 <119.4>

MARONI, P.

1 SINGULAR EQUATIONS WITH CAUCHY KERNELS, PROC. FOURTH A.
F. I. R. O. CONGRESS OF COMPUTING AND INFORMATION
PROCESSING, VERSAILLES, FRANCE, (1964), 377-395.,
MR:34-1817 <50.0>

2 INTEGRATION D'UNE EQUATION INTEGRODIFFERENTIELLE A
L'AIDE DES POLYNOMES D'HERMITE, DEUX CONGR. ASSOC.
FRANCAISE CALCUL ET TRAITEMENT INFORMATION (PARIS, 1961)
147-154 GAUTHIER-VILLARS, PARIS (1962), MR:28-2654
<30.0>

3 SUR L'EQUATION DE CHANDRASEKHAR, C. R. ACAD. SCI. PARIS
258 (1964) 2723-2726, MR:28-4320 <119.5>

4 SUR LES SOLUTIONS DE L'EQUATION DE MILNE GENERALISEE, C.
R. ACAD. SCI. PARIS 259 (1964) 501-503, MR:29-6265
<71.0, 119.4>

5 SUR L'EQUATION INTEGRALE DE VOLTERRA DANS UN ESPACE DE
BANACH, C. R. ACAD. SCI. PARIS 254(1962), 2129-2131,
MR:25-416 <10.0>

6 SUR L'INTEGRATION D'UNE EQUATION INTEGRODIFFERENTIELLE
NON LINEAIRE, C. R. ACAD. SCI. PARIS 254(1962),
3949-3951, MR:25-1420 <31.0>

7 SUR L'INTEGRATION D'UNE EQUATION INTEGRODIFFERENTIELLE
NON LINEAIRE, C. R. ACAD. SCI. PARIS 254(1962),
3808-3810, MR:25-1419 <31.0>

MARQUET, S.
    1   ETUDE MATHEMATIQUE DE L'EQUATION DE BOLTZMANN, C. R.
        ACAD. SCI. PARIS 237 (1953) 1637-1640, MR:15-435 <119.2>
    2   ETUDE MATHEMATIQUE DES EQUATIONS DE BOLTZMANN
        GENERALISEES, C. R. ACAD. SCI. PARIS 234(1952),
        2345-2347, MR:14-521 <119.2>
    3   ETUDE MATHEMATIQUE DE L'EQUATIONS DE BOLTZMANN, C. R.
        ACAD. SCI. PARIS 242(1956), 615-617, MR:17-812 <119.2>
MARROT, R.
    1   SUR L'EQUATION INTEGRODIFFERENTIELLE DE BOLTZMANN, J.
        MATH. PURES. APPL. (9) 25 (1946) 93-159, MR:8-187 <119.2>
MARSHAK, R.E.
    1   THE MILNE PROBLEM FOR A LARGE PLANE SLAB WITH CONSTANT
        SOURCE AND ANISOTROPIC SCATTERING, PHYSICAL REV. (2) 72
        (1947) 47-50, MR:9-189 <119.3>
    2   THE VARIATIONAL METHOD FOR ASYMPTOTIC NEUTRON DENSITIES,
        PHYSICAL REV. (2) 71 (1947) 688-693, MR:8-596 <48.5,
        119.4>
MARSHAL, D.
    1   DIE NUMERISCHE QUADRATURE SINGULAREP
        FUNKTIONALGLEICHUNGEN, I., ZEITS. ANG. MATH. MECH.
        50(1970), 231-294 <34.0, 50.0>
MARSIKOVA, V.
    1   ON SOME NEW ITERATIVE METHODS FOR SOLVING THE EIGEN
        PROBLEM OF A LINEAR OPERATOR, APLIKACE MATEMATIKY
        12(1967), P.331, MR:36-7315 <54.0>
MARTENSEN, E.
    1   BERECHNUNG DER DRUCKVERTEILUNG AN GITTERPROFILEN IN
        EBENER POTENTIAL STROMING MET EINER FREDHOLMSCHEN
        INTEGRALGLEICHUNG, ARCH. RAT. MECH. ANAL. 3(1959),
        235-270, MR:22-5252 <90.3>
    2   ZUR NUMERISCHEN BEHANDLUNG DES INNEREN NEUMANNSCHEN UND
        DES ROBINSCHEN PROBLEMS, Z. ANGEW. MATH. MECH. 39(1959),
        377-380 <90.3>
    3   NUMERISCHE AUFLOSUNG DER INTEGRALGLEICHUNG DES
        ROBINSCHEN PROBLEMS FUR EINE TORUSARTIGE BERANDUNG,
        SYMP. NUMERICAL TREATMENT OF ORDINARY DIFF. EQUATIONS,
        INTEGRAL AND INTEGRO-DIFFERENTIAL EQUATIONS (ROME 1960),
        129-150, BIRKHAUSER, BASEL, 1960, MR:23-B1676 <90.3>
MARTI, J.T.
    1   EXISTENCE D'UNE SOLUTION UNIQUE DE L'EQUATION LINEARISEE
        DE BOLTZMANN ET DEVELOPPEMENT DE CETTE SOLUTION SUIVANT
        DES FONCTIONS PROPRES, C. R. ACAD. SCI. PARIS 260 (1965)
        2692-2694, MR:31-5115 <119.2>
MARTIN, A.W.   (SEE ALSO - GOURDIN, M.)
    1   APPROXIMATE BOOTSTRAP TECHNIQUE, PHYS. REV. 135(1964),
        B967-974, MR:36-1710 <116.4>
MARTYNJUK, A.E.
    1   SOME NEW CRITERIA FOR CONVERGENCE OF THE METHOD OF
        SUCCESSIVE APPROXIMATIONS, KAZAN. GOS. UNIV. UCEN. ZAP.
        124(1964), 183-188, TRANSL. MRC TECH. REPT. 672 (.966),
        MR:32-4573 <49.1>

MASAITIS, C.
    1   APPLICATIONS OF FUNCTIONAL ANALYSIS IN 'RECENT SOVIET
        CONTRIBUTIONS TO MATHEMATICS', ED. J. LASALLE, S.
        LEFSCHETZ, MACMILLAN, NEW YORK (1962)
MASLENNIKOV, M.V.
    1   ASYMPTOTIC PROPERTIES OF THE SOLUTION OF THE
        CHARACTERISTIC EQUATION OF THE THEORY OF TRANSPORT OF
        RADIATION IN STRONGLY ABSORBENT MEDIA, Z. VYC. MAT. I
        MAT. FIZ. 4(1964), 23-24, TRANSL. MRC REPORT 662 APRIL
        (1966) <119.0>
    2   THE CHARACTERISTIC EQUATION OF THE THEORY OF RADIATION
        TRANSFER, DOKL. AKAD. NAUK SSSR 168(1966), 747-750,
        TRANSL. SOVIET MATH. DOKL. 7, 723-726, MR:33-4638 <119.0>
MASLOV, V.P.
    1   REGULARIZATION OF INCORRECT PROBLEMS FOR SINGULAR
        INTEGRAL EQUATIONS, DOKL. AKAD. NAUK. SSSR 176,
        1012-1014, TRANSL. SOVIET MATH. DOKL. 8, 1251-1254,
        MR:36-4297 <56.2>
MASSON, D.
    1   PADE APPROXIMANT AND PARTIAL-WAVE INTEGRAL EQUATION, J.
        MATH. PHYS. 8 (1967) 512-514, MR:35-2581 <20.0, 116.8>
MASSONNET, C.E.
    1   NUMERICAL USE OF INTEGRAL PROCEDURES, 198-235
MATERIKOVA, L.B.   (SEE - VASIL'EV, E.N.)
MATHEWS, P.M.   (SEE - RAMAKRISHNAN, A.)
MATHUR, S.C.   (SEE - SNEDDON, I.N.)
MATTIOLI, G.D.
    1   CALCOLO DEL CAMPO DI VELOCITA INDOTTA PER L'ALA
        RETTANGOLARE, AEROTECNICA 24 (1949) 281-287, MR:13-175
        <108.6>
MAUE, A.-W.   (SEE ALSO - HONL, H.)
    1   DIE KANTENBEDINGUNG IN DER BEUGUNGSTHEORIE ELASTISCHER
        WELLEN, Z. NATURFORSCHUNG 7A (1952) 387-389, MR:14-223
        <105.6>
MAUKYAN, M.M.   (SEE - ALEKSANDRYAN, R.A.)
MAUTZ, J.   (SEE - KENT, G.)
MAYER, J.E.   (SEE ALSO - SAROLEA, L.)
    1   STRUCTURE OF SIMPLE FLUIDS, BULL. AMER. MATH. SOC. 62
        (1956) 332-346, MR:18-82 <117.0>
MAYERS, D.F.   (SEE ALSO - BAKER, C.T.H.)
    1   CALCULATION OF CHANDRASEKHAR'S X- AND Y- FUNCTIONS FOR
        ISOTROPIC SCATTERING, MON. NOT. OF ROY. ASTRON. SOC. 123
        (1962) 471-484 <53.6, 119.5>
MAZ'YA, V.D.   (SEE - BURAGO, YU.D.)
MCCALLA, T.M.   (SEE - HINCHEY, F.A.)
MCCORMICK, J.M., BARON, M.L.
    1   SOUND RADIATION FROM SUBMERGED CYLINDRICAL SHELLS OF
        FINITE LENGTH, A.S.M.E. TRANS. B 87(1965), 393- <95.0>
MCCORMICK, N.J., KUSCER, I.
    1   BIORTHOGONALITY RELATIONS FOR SOLVING HALF-SPACE
        TRANSPORT PROBLEMS, J. MATH. PHYS. 7(1966), 2036-2045
        <119.8>

MCCROSSON, F.J.   (SEE - BOWDEN, R.L.)
MCCUNE, J.F.
    1 ON THE MOTION OF THIN AIRFOILS IN FLUIDS OF FINITE
          ELECTRICAL CONDUCTIVITY, J. FLUID MECH. 7 (1960) 449-468,
          MR:22-11758 <108.0>
MCFARLAND, J.E.
    1 AN ITERATIVE SOLUTION OF THE QUADRATIC EQUATION IN
          BANACH SPACE., PROC. AMER. MATH. SOC. 9 (1958) 824-330,
          MR:20-2642 <49.0>
MCKELVEY, R.W.
    1 AN ANALYSIS OF APPROXIMATIVE METHODS FOR FREDHOLM'S
          INTEGRAL EQUATION OF THE FIRST KIND, REPT. NO. DTMB-1105,
          DEC. (1956), DAVID TAYLOR MODEL BASIN, WASH., D. C.
          <56.0>
MCKENDRICK, A.G.   (SEE - KERMACK, W.O.)
MCLEOD, J.B.   (SEE ALSO - DOLPH, C.L.)
    1 ON THE SCALAR TRANSPORT EQUATION, PROC. LONDON MATH.
          SOC. (3) 14 (1964) 445-458, MR:28-5311 <119.3>
    2 THE ANALYTIC CONTINNATON TO THE UNPHYSICAL SHEET OF THE
          RESOLVENT KERNNEL ASSOCIATED WITH THE SCROEDINGER
          OPERATOR, QUART. J. MATH. (2) 18(1967), 219-231 <116.6>
MCNABB, A., SCHUMITZKY, A.
    1 FACTORIZATION OF OPERATORS II. INITIAL VALUE METHODS FOR
          LINEAR TWO-POINT BOUNDARY VALUE PROBLEMS, J. MATH. ANAL.
          APPLIC. 31(1970), 391-405 <72.0>
    2 FACTORIZATION OF OPERATORS III. A NONLINEAR VOLTERRA
          METHOD FOR NUMERICAL SOLUTION OF LINEAR FREDHOLM
          EQUATIONS, J. COMPUT. SYST. SCI. 4(1970), 103-128 <72.8>
MEDVEDEV, V.A.   (SEE ALSO - BOGORYAD, I.B.)
    1 ON THE CONVERGENCE OF THE BUBNOV-GALERKIN METHOD, PRIKL.
          MAT. MEH. 27 (1963) 1148-1151 TRANSL. J. APPL. MATH.
          MECH. 27 (1964) 1769-1774, MR:29-1753 <48.5>
MEECHAM, W.C.
    1 ON THE USE OF THE KIRCHOFF APPROXIMATION FOR THE
          SOLUTION OF REFLECTION PROBLEMS, J. RATIONAL MECH. ANAL.
          5 (1956) 323-334, MR:18-135 <95.0>
MEIJERS, P.
    1 THE CONTACT PROBLEM OF A RIGID CYLINDER ON AN ELASTIC
          LAYER, APPL. SCI. RES. 18 (1968) 353-383, AMR:22-3123
          <103.7>
MEINARDUS, G., STRAUER, H.D.
    1 UBER TCHEBYSCHEFFSCHE APPROXIMATIONEN DER LOSUNG
          LINEARER DIFFERENTIAL - UND INTEGRALGLEICHUNGEN, ARCH.
          RAT. MECH. ANAL. 14(1963), 184-195, MR:28-736 <49.4>
MEISTER, E.   (SEE ALSO - SOHNGEN, H.)
    1 ON THE THEORY OF TWO-DIMENSIONAL UNSTEADY SUBSONIC FLOW
          PAST AN OSCILLATING PROFILE IN WIND TUNNEL, Z. A. M. P.
          16 (1965), 770-780, MR:32-8641 <108.6>
    2 BEITRAG ZUR AERODYNAMIK EINES SCHWINGENDEN GITTERS III
          (UNTERSCHALLSTROMUNG), ZAMM 42,6 (1962) 245-254 <108.0>

METSTER, E., LATZ, N.
   1 EIN SYSTEM SINGULARE? INTEGRALGLEICHUNGEN AUS DER
         THEORIE DER BEUGUNG ELEKTROMAGNETISCHER WELLEN AN
         DIELEKTRISCHEN KEILEN, Z. ANGEW. MATH. MECH. 44 (1964)
         T47-T49, MR:32-6880 <96.7>
MEKSYN, D.
   1 NEW METHODS IN LAMINAR BOUNDARY-LAYER THEORIE, PERGAMON
         (1961) <113.0>
MELNIK, S.I.
   1 OSCILLATING FUNCTIONS AND THEIR APPLICATION TO
         APPROXIMATE SOLUTION OF INTEGRAL EQUATIONS, DOKL. AKAD.
         NAUK SSSR 95 (1954) 705-708, MR:16-79
MELYAHOVECKII, A.S.
   1 THE INTEGRAL EQUATION OF THE FREE VIBRATIONS OF A
         CURVILINEAR BAR, DOKL. AKAD. NAUK SSSR 85 (1952) 513-516,
         MR:14-223 <115.0>
MELZAK, Z.A.
   1 A SCALAR TRANSPORT EQUATION, TRANS. AMER. MATH. SOC. 85
         (1957) 547-560, MR:19-428 <119.3>
   2 A SCALAR TRANSPORT EQUATION. II, MICHIGAN MATH. J.
         4(1957) 193-206, MR:20-4167 <119.3>
   3 ENTIRE OPERATORS AND FUNCTIONAL EQUATIONS, PROC. AMER.
         MATH. SOC. 10 (1959) 438-447, MR:21-2891 <119.3>
MENDELSON, A., HIRSCHBERG, M.H., MANSON, S.S.
   1 A GENERAL APPROACH TO THE PRACTICAL SOLUTION OF CREEP
         PROBLEMS, TRANS. A. S. M. E. 81, JOURNAL OF BASIC ENG.
         (1959) 585-598, AMR:14-657 <106.0>
MENDELSON, A., MANSON, S.S.
   1 PRACTICAL SOLUTION OF PLASTIC DEFORMATION PROBLEMS IN
         THE ELASTIC-PLASTIC RANGE, NACA TECH. REP. R-28 (1959),
         AMR:13-4472 <106.0>
MENDES, M.
   1 SYSTEMES D'EQUATIONS INTEGRALES ET FIGURES DERIVEES DES
         ELLIPSOIDES HETEROGENES EN ROTATION, J. MATH. PURES
         APPL. (9) 32 (1953) 335-386, MR:15-534 <22.0, 90.0>
MERCER, I.
   1 FUNCTIONS OF POSITIVE AND NEGATIVE TYPE AND THEIR
         CONNECTION WITH THE THEORY OF INTEGRAL EQUATIONS, PHIL.
         TRANS. ROYAL SOC. LONDON (A) 209 (1909), 415-446, <22.0>
   2 SYMMETRISABLE FUNCTIONS AND THEIR EXPANSION IN TERMS OF
         BIORTHOGONAL FUNCTIONS, PROC. ROY. SOC. (A) 97 (1920)
         401-413 <22.0>
MESSEL, H.
   1 ON THE THEORY OF A NUCLEON CASCADE, COMMUNICATIONS
         DUBLIN INST. ADVANCED STUDIES SER. A, NO. 7 (1951),
         MR:14-563 <122.0>
METCALF, F.T.   (SEE - CHU, S.C.)
MEYER, J.A.
   1 GENERALIZATION OF THE GROSS TRANSFORMATION, AN. ACAD.
         BRASIL. CI. 26 (1954) 375-380, MR:16-1121 <64.5>

MHITARJAN, S.M.
    1   EFFECTIVE SOLUTION OF CERTAIN CLASSES OF LINEAR INTEGRAL
        EQUATIONS OF FIRST KIND AND OF THE DIFFERENTIAL
        EQUATIONS CONNECTED WITH THEM, AKAD. NAUK ARMJAN. SSR
        DOKL. 48(1969), 71-78, MR:41-9461 <77.0>
MICHELL, J.H.
    1   THE WAVE RESISTANCE OF A SHIP, PHIL. MAG. 45(1368),
        106-123 <110.0>
MIGOVICH, F.M.   (SEE - KURPEL, N.S.)
MIHAILOV, L.G.
    1   A NEW CLASS OF SINGULAR INTEGRAL EQUATIONS AND ITS
        APPLICATION TO DIFFERENTIAL EQUATIONS WITH SINGULAR
        COEFFICIENTS, WOLTERS-NOORDHOFF (1970), MR:41-8812
        <02.0,   89.0>
MIHAILOV, L.G., BILMAN, B.M., ZAMOTA, A.V.
    1   MULTIDIMENSIONAL INTEGRAL EQUATIONS WITH DIFFERENCE
        KERNELS IN A HALF STRIP, DOKL. AKAD. NAUK SSSR 189(1969),
        710-713, MR:40-7749 <70.9>
MIKA, J.R.
    1   NEUTRON TRANSPORT WITH ANISOTROPIC SCATTERING, NUCL.
        SCI. ENG. II (1961) 415-427 <119.8>
MIKA, J.R., ZELAZNY, R.
    1   POLYNOMIAL APPROXIMATION IN NEUTRON TRANSPORT THEORY,
        BULL. ACAD. POLON. SCI. SER. SCI. MATH. ASTR. PHYS.
        8(1960), 59-62, MR:22-8672 <53.6, 119.0>
MIKELADSE, S.E.
    1   UBER DIE ANGENAHERTE LOSUNG VON INTEGRALGLEICHUNGEN VOM
        VOLTERRASCHEN TYPUS, TRUDY MAT. INST. RAZMADZE 18 (1951)
        315-325 <13.0>
MIKHLIN, S.G.
    1   COMPOSITION OF MULTIDIMENSIONAL SINGULAR INTEGRALS,
        VESTNIK LENINGRAD. UNIV. (1955) NO. 2 25-41, MR:16-911
        <25.0>
    2   MULTI-DIMENSIONAL SINGULAR INTEGRALS AND INTEGRAL
        EQUATIONS, MOSCOW (1962) ENGLISH TRANSL. PERGAMON (1965),
        MR:27-5105 <25.0>
    3   INTEGRAL EQUATIONS AND THEIR APPLICATIONS TO SOME
        PROBLEMS OF MECHANICS, MATHEMATICAL PHYSICS AND
        ENGINEERING, 2ND ED., MOSCOW-LENINGRAD (1949), PERGAMON
        (1957), REVISED EDITION (1964), MR:29-1508, MR:19-428,
        MR:12-712 <01.0>
    4   LECTURES ON LINEAR INTEGRAL EQUATIONS, MOSCOW,
        (1959)ENGLISH TRANS. HINDUSTAN PUBLISHING CORPORATION,
        DELHI (1960), MR:23-A490 <01.0>
    5   REMARKS ON THE SOLUTION OF MULTIDIMENSIONAL SINGULAR
        INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR 131 (1960)
        1019-1021 TRANSL. SOVIET MATH. DOKL. 1, 375-378,
        MR:22-8300 <25.0>
    6   SINGULAR INTEGRAL EQUATIONS, USPEHI MATEM. NAUK. (N.S.)
        3, NO. 3 (25) (1948) 29-112, TRANSL. AMER. MATH. SOC.
        TRANSLATION NO. 24 (1950), MR:10-375,MR:12-107 <25.0>

7   SUR UN THEOREME DE F. NOETHER, C. R. (DOKLADY) ACAD.
       SCI. URSS (N.S.) 43 (1944) 139-141, MR:6-157 <25.0>
8   SUR UNE CERTAINE CLASSE D'EQUATIONS INTEGRALES
       SINGULIERES, C. R. (DOKLADY) ACAD. SCI. URSS (N.S.) 24
       (1939) 315-317, MR:2-100 <25.0>
9   THE RITZ METHOD IN NON-LINEAR PROBLEMS, DOKL. AKAD. NAUK
       SSSR 142(1962) 792-793, MR:24-B2538 <48.5>
10   ON THE THEORY OF MULTIDIMENSIONAL SINGULAR INTEGRAL
       EQUATIONS, VESTNIK LENINGRAD UNIV. 11 (1956) 3-24,
       MR:19-42 <25.0>
11   ON THE INTEGRAL EQUATION OF F. TRICOMI, DOKLADY AKAD.
       NAUK SSSR (N. S.) 59 (1948) 1053-1056, MR:9-443 <73.0>
MIKHLIN, S.G., SMOLITSKII, KH.L.
1   APPROXIMATE METHODS FOR SOLUTION OF DIFFERENTIAL AND
       INTEGRAL EQUATIONS, MOSCOW (1965) ENGLISH TRANS.
       ELSEVIER (1967), MR:33-855,MR:36-1108 <40.5>
MIKUSINSKI, J.G.   (SEE ALSO - FINKELSZTEJN, L.)
1   SUR QUELQUES EQUATIONS INTEGRODIFFERENTIELLES, STUDIA
       MATH. 15 (1956) 182-187, MR:18-51 <12.0>
MILES, E.R.C.   (SEE - EVANS, G.C.)
MILES, J.W.
1   LEE WAVES IN A STRATIFIED FLOW I THIN BARRIER, J. FLUID
       MECH. 32 (1968) 549-567, AMR:22-8834 <48.5, 112.0>
2   ON CERTAIN INTEGRAL EQUATIONS IN DIFFRACTION THEORY, J.
       MATH. PHYSICS 28 (1950) 223-226, MR:11-524 <37.0, 96.0>
3   LEE WAVES IN A STRATIFIED FLOW II. SEMI-CIRCULAR BARRIER,
       J.FLUID MECH. 33(1968), 803-814, AMR:22-7170 <48.5,
       112.0>
MILLAR, R.F.
1   A NOTE ON DIFFRACTION BY AN INFINITE SLIT, CAN. J. PHYS.
       38 (1960) 38-47, MR:22-2258 <96.2>
2   DIFFRACTION BY A WIDE SLIT AND COMPLEMENTARY STRIP. I.
       II. PROC. CAMBRIDGE PHILOS. SOC. 54 (1958) 479-511,
       MR:20-2986 <96.5>
3   ON A NONLINEAR INTEGRAL EQUATION OCCURRING IN
       DIFFRACTION THEORY, PROC. CAMB. PHIL. SOC. 62 (1966)
       249-261, MR:32-6177 <95.0>
MILLER, G.B.   (SEE - SPARROW, E.M.)
MILLER, G.F.
1   A NOTE ON THE NUMERICAL SOLUTION OF CERTAIN NON-LINEAR
       INTEGRAL EQUATIONS, PROC. ROY. SOC. LONDON (A) 236
       (1956) 529-534, MR:20-2000 <13.0>
MILLER, H.D.
1   A MATRIX FACTORIZATION PROBLEM IN THE THEORY OF RANDOM
       VARIABLES DEFINED ON A FINITE MARKOV CHAIN, PROC. CAMB.
       PHIL. SOC. 58(1962), 268-285, MR:25-3567
2   ABSORPTION PROBABILITIES FOR SUMS OF RANDOM VARIABLES
       DEFINED ON A FINITE MARKOV CHAIN, PROC. CAMB. PHIL. SOC.
       58(1962), 286-298, MR:25-3568
MILLER, M.K., GUY, W.T.
1   NUMERICAL INVERSION OF THE LAPLACE TRANSFORM BY USE OF
       JACOBI POLYNOMIALS, SIAM J. NUM. ANAL. 3 (1966) 624-635,
       AMR:20-6250 <63.0>

MILLER, R.D.W.
1 SOME EFFECTS OF COMPRESSIBILITY ON THE INDENTATION OF A
    THIN ELASTIC LAYER BY A SMOOTH RIGID CYLINDER, APPL.
    SCI. RES. 16(1966), 405-424
MILLER, R.K.
1 AN UNSTABLE NONLINEAR INTEGRODIFFERENTIAL SYSTEM, PROC.
    U. S. -JAPAN SEMINAR ON DIFFERENTIAL AND FUNCTIONAL
    EQUATIONS, ED. W. A. HARRIS AND Y. SIBUYA, BENJAMIN
    (1967) 479-489 <11.0>
2 ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF NONLINEAR VOLTERRA
    EQUATIONS, BULL. AMER. MATH. SOC. 72 (1966) 153-156,
    MR:33-4628 <12.5>
3 ON VOLTERRA'S POPULATION EQUATION, J. SIAM APPL. MATH.
    14 (1966) 446-452, MR:34-3274 <17.0>
4 ON THE LINEARIZATION OF VOLTERRA INTEGRAL EQUATIONS, J.
    MATH. ANAL. APPL. 23 (1968) 198-208, MR:37-5635 <12.5>
5 ON VOLTERRA INTEGRAL EQUATIONS WITH NONNEGATIVE
    INTEGRABLE RESOLVENTS, J. MATH. ANAL. APPL. 22 (1968)
    319-340, MR:37-3291 <12.0>
6 ADMISSIBILITY AND NONLINEAR VOLTERRA INTEGRAL EQUATIONS,
    PROC. AMER. MATH. SOC. 25(1970), 65-71, MR:41-2324
    <11.0>
MILLER, R.K., FELDSTEIN, A.
1 SMOOTHNESS OF SOLUTIONS OF VOLTERRA INTEGRAL EQUATIONS
    WITH WEAKLY SINGULAR KERNELS, SIAM J. MATH. ANAL.
    2(1971), 242-258 <10.0>
MILLER, R.K., NOHEL, J.A., WONG, J.S.W.
1 A STABILITY THEOREM FOR NONLINEAR MIXED INTEGRAL
    EQUATIONS, J. MATH. ANAL. APPL. 25 (1969) 446-449,
    MR:38-2556 <11.0>
2 PERTURBATIONS OF VOLTERRA INTEGRAL EQUATIONS, J. MATH.
    ANAL. APPL. 25 (1969) 676-691, AMR:22-7494 <11.0>
MILLER, R.K., SELL, G.R.
1 A NOTE ON VOLTERRA INTEGRAL EQUATIONS AND TOPOLOGICAL
    DYNAMICS, BULL. AMER. MATH. SOC. 74 (1968) 904-908,
    MR:38-1483 <11.0>
2 EXISTENCE, UNIQUENESS AND CONTINUITY OF SOLUTIONS OF
    INTEGRAL EQUATIONS, ANN. MAT. PURA APPL. 80(1968),
    135-152, MR:40-663 <11.0>
MILNE-THOMSON, L.M.
1 THEORETICAL HYDRODYNAMICS, 4TH ED., MACMILLAN (1960),
    AMR:14-1978 <112.1>
MINKOV, I.M.
1 ON SOME FUNCTIONAL EQUATIONS, PMM 24 (1960) 964-967
    TRANSL. J. APPL. MATH. AND MECH. 1463-1468 <66.7>
MINTY, G.J.   (SEE ALSO - DOLPH, C.L.)
1 ON A 'MONOTONICITY' METHOD FOR THE SOLUTION OF NONLINEAR
    EQUATIONS IN BANACH SPACES, PROC. MAT. ACAD. SCI. U. S.
    A. 50(1963), 1038-1041, MR:28-5358 <34.0>
2 ON THE GENERALIZATION OF A DIRECT METHOD OF THE CALCULUS
    OF VARIATIONS, BULL. AMER. MATH. SOC. 73 (1967) 315-321,
    MR:35-3501 <34.0>

3   SUI METODI DI SOLUZIONE DELLE EQUAZIONI DELLA CASCATA
        ELETTROFOTONICA, NUOVO CIMENTO (9) 9 (1952) 477-486,
        MR:14-880

MIRANDA, C.
    1   NUOVI CONTRIBUTI ALLA TEORIA DELLE EQUAZIONI INTEGRALI
        LINEARI CON NUCLEO DIPENDENTE DAL PARAMETRO, MEM. ACCAD.
        SCI. TORINO (2) 70 (1940) 23-51, MR:3-48 <24.5>
    2   SULLE EQUAZIONI INTEGRALI IL CUI NUCLEO E FUNZIONE
        LINEARE DEL PARAMENTRO, ATTI. ACCAD. ITALIA. REND. CL.
        SCI. FIS. MAT. NAT. (7) 2 (1940), MR:3-4MR:3-4 <   >

MIRANKER, W.L.
    1   A FREE BOUNDARY VALUE PROBLEM FOR THE HEAT EQUATION,
        QUART. APPL. MATH. 16 (1958) 121-130, MR:20-656 <120.5>

MITTRA, R.   (SEE ALSO - BATES, C.P., LEE, S.W.)
    1   ON THE SOLUTION OF AN EIGENVALUE EQUATION OF THE
        WIENER-HOPF TYPE IN FINITE AND INFINITE RANGES, APPL.
        SCI. RES. 98 (1959/60) 201-207, MR:24-A1581 <77.7>
    2   ON THE SOLUTION OF A CLASS OF DUAL INTEGRAL EQUATIONS,
        REPT. NO. TR51 (DEC, 1961) ELECTR. ENG. DEPT. ILLINOIS
        UNIV., URBANA <67.5,   97.0>

MITZNER, K.M.
    1   NUMERICAL SOLUTION FOR TRANSIENT SCATTERING FROM A HARD
        SURFACE OF ARBITRARY SHAPE-RETARDED POTENTIAL TECHNIQUES,
        J. ACOUST. SOC. AMER. 42 (1967) 391-397, AMR:21-8599
        <95.0>

MKHITARIAN, S.M.   (SEE - ARUTIUNIAN, N.KH.)

MOISEEV, N.N.
    1   AN EXISTENCE AND NON-UNIQUENESS THEOREM FOR ROTATIONAL
        WAVES OF PERIODIC TYPE, PMM 24 (1960) 711-714 <112.1>
    2   ON THE THEORY OF VIBRATIONS OF ELASTIC BODIES WITH
        LIQUID CAVITIES, APPL. MATH. MECH. 23(1959), 1233-1254,
        AMR:14-195 <115.0>

MOISEIWITSCH, B.L.
    1   VARIATIONAL PRINCIPLES, INTERSCIENCE (1966) <48.5,
        116.3>

MONTAGNINI, B., DEMURU, M.L.
    1   COMPLETE CONTINUITY OF THE FREE GAS SCATTERING OPERATOR
        IN NEUTRON THERMALIZATION THEORY, J. MATH. ANAL. APPL.
        12 (1965) 49-57, MR:32-3782 <119.3>

MOON, P., SPENCER, D.E.
    1   ERRORS IN THE SOLUTION OF INTEGRAL EQUATIONS, J.
        FRANKLIN INST. 264 (1957) 29-41, MR:19-463 <59.0>

MOORE, D.W.   (SEE - DRAZIN, P.S.)

MOORE, L.
    1   DECONVOLUTION OF PHYSICAL DATA, BRIT. J. APPL. PHYS. (2),
        1(1968), 237-245

MOORE, R.H.   (SEE ALSO - ANSELONE, P.M.,
                             BUECKNER, H.F.)
    1   DIFFERENTIABILITY AND CONVERGENCE FOR COMPACT NONLINEAR
        OPERATORS, J. MATH. ANAL. APPLIC. 16(1966), 65-72,
        MR:33-4736 <34.0>
    2   APPROXIMATIONS TO NONLINEAR OPERATOR EQUATIONS AND
        NEWTON'S METHOD, NUM. MATH. 12(1968), 23-34 <49.8>

3 NEWTON'S METHOD AND VARIATIONS, IN 'NONLINEAR INTEGRAL
      EQUATIONS', ED. P.M. ANSELONE , UNIV. OF WISC. PRESS
      (1964), MR:29-749 <49.8>
MORAN, D.A.   (SEE - WILLIAMS, W.E.)
MORAN, P.A.P.
   1 A PROBABILITY THEORY OF DAMS AND STORAGE SYSTEMS, AUSTR.
      J. APPL. SCI. 5(1954), 116-124, MR:16-269 <122.0>
   2 A PROBABILITY THEORY OF DAMS AND STORAGE SYSTEMS -
      MODIFICATIONS OF THE RELEASE RULES, AUSTR. J. APPL. SCI.
      6(1955), 117-130, MR:17-1097 <122.0>
MORARU, N.I.
   1 CASES OF THE WIENER-HOPF EQUATION ON A QUADRANT OF THE
      PLANE, DIFFERENCIAL'NYE URAVNENIJA 5(1969), 1445-1457,
      MR:41-759 <76.0>
MORDASOVA, G.M.
   1 ASYMPTOTIC BEHAVIOR OF THE EIGENVALUES OF A LINEAR
      INTEGRAL EQUATION WITH DISCONTINUOUS KERNEL (RUSSIAN),
      DOKL. AKAD. NAUK SSSR 142 (1962) 1022-1025, MR:26-4134
      <82.0>
MOREHOUSE, N.F.   (SEE - LANE, R.O.)
MORGAN, S.P.   (SEE - NEWMAN, D.J.)
MORGAN, W.B.
   1 THEORY OF THE ANNULAR AIRFOIL AND DUCTED PROPELLER,
      FOURTH SYMPOSIUM ON NAVAL HYDRODYNAMICS, VOL. 1 , SHIP
      PROPULSION AND HYDRODENTRICITY (1962) 161-212 <108.0,
      109.0>
MORGENSTERN, D.   (SEE ALSO - SCHMEIDLER, W.)
   1 ANALYTICAL STUDIES RELATED TO THE MAXWELL-BOLTZMANN
      EQUATION, J. RATIONAL MECH. ANAL. 4 (1955) 533-555,
      MR:16-1189 <119.2>
MORLAND, L.W.   (SEE ALSO - MARGETSON, J.)
   1 A PLANE PROBLEM OF ROLLING CONTACT IN LINEAR
      VISCOELASTICITY THEORY, J. APPL. MECH. (1962), 345-352
      <106.0>
   2 ROLLING CONTACT BETWEEN DISSIMILAR VISCOELASTIC
      CYLINDERS, QUART. APPL. MATH. 25(1968), 363-376 <106.0>
   3 EXACT SOLUTIONS FOR ROLLING CONTACT BETWEEN VISCOELASTIC
      CYLINDERS, QUART. J. MECH. APPL. MATH. 20(1967),73-106,
      MR:35-1257 <77.0, 106.0>
MORRISON, J.A.
   1 ON THE EIGENFUNCTIONS CORRESPONDING TO THE BANDPASS
      KERNEL IN THE CASE OF DEGENERACY, QUART. APPL. MATH. 21
      (1963) 13-19, MR:26-2837 <77.7, 124.0>
MORSE, P.M., INGARD, K.U.
   1 LINEAR ACOUSTIC THEORY, IN HANDBUCH DER PHYSIK VOL. XI/I
      (1961) <95.0>
MOSER, J.
   1 A NEW TECHNIQUE FOR THE CONSTRUCTION OF SOLUTIONS OF
      NONLINEAR DIFFERENTIAL EQUATIONS, PROC. NAT. ACAD. SCI.
      U. S. A. 47 (1961) 1824-1831, AMR:15-3128 <11.0, 89.0>

MOSES, H.E.
    1 THE KOHN-HULTHEN VARIATIONAL PROCEDURE FOR THE
        SCATTERING OPERATOR AND THE REACTANCE OPERATOR. I. NUOVO
        CIMENTO (SUPPLEMENTO) 5 (1957) 120-143 II. IBID.,
        144-158, MR:19-1130 <116.3>
MOSKALEV, O.B.
    1 APPROXIMATE METHOD FOR THE SOLUTION OF A NONLINEAR
        TRANSPORT EQUATION, ZH. VYCH. MAT. I MAT. FIZ. 5 (1965)
        561-56. TRANSL. USSR COMP. MATH. AND MATH. PHYS. 234-240,
        MR:32-8962 <119.0>
MOSSAKOVSKII, V.I.   (SEE ALSO - GUBENKO, V.S.)
    1 PRESSURE OF A CIRCULAR DIE (PUNCH) ON AN ELASTIC
        HALF-SPACE, WHOSE MODULUS OF ELASTICITY IS AN
        EXPONENTIAL FUNCTION OF DEPTH, PMM 22(1958), 123-125,
        TRANSL. J. AP40   MR:32-8962   119.0MR:29-1508,,
        MR:19-428, M <:12-7>
    2 COMPRESSION OF ELASTIC BODIES UNDER CONDITIONS OF
        ADHESION (AXISYMMETRIC CASE), J. APPL. MATH. MECH.
        630-642 TRANSL. PMM 27 (1963) 418-427 <103.8>
MOSSAKOVSKII, V.I., RYBKA, M.T.
    1 GENERALIZATION OF THE GRIFFITH-SNEDDON CRITERION FOR THE
        CASE OF A NONHOMOGENEOUS BODY, PMM 28(1964) 1061-1069,
        TRANSL. J. APPL. MATH. MECH., 1277-1286,, AMR:19-4848
        <103.6>
MOYAL, J.E.
    1 A GENERAL THEORY OF FIRST-PASSAGE DISTRIBUTIONS IN
        TRANSPORT AND MULTIPLICATIVE PROCESSES, ARGONNE NAT.
        LAB. ANL 7061 (1965)
    2 THEORY OF THE IONIZATION CASCADE, NUCLEAR PHYS. 1 (1956)
        180-195, MR:20-3613 <122.0>
MUHTAROV, H.S.   (SEE ALSO - GUSEINOV, A.I.)
    1 INVESTIGATION OF A NONLINEAR SINGULAR EQUATION WITH
        HILBERT KERNEL, IZV. VYSS. UCEBN. ZAVED. MAT. 45(1965),
        118-125, TRANSL. AMER. MATH. SOC. (2) 91(1970), 197-205,
        MR:33-1984 <28.3>
    2 STUDY OF A CLASS OF NONLINEAR SINGULAR EQUATIONS WITH A
        HILBERT KERNEL, DOKL. AKAD. NAUK SSSR 154 (1964) 48-50,
        MR:28-1463 <28.3>
    3 THE INVESTIGATION OF A CERTAIN CLASS OF NONLINEAR
        SINGULAR INTEGRAL EQUATIONS WITH CAUCHY KERNEL FOR
        DISCONNECTED CONTOURS, AZERBAIDEAN. GOS. UNIV. UCEN. ZAP
        SER. FIZ. MAT. HIM. NAUK. 5(1961), 31-42, MR:36-4298
        <28.3>
MUKI, R., STERNBERG, E.
    1 NOTE ON AN ASYMPTOTIC PROPERTY OF SOLUTIONS TO A CLASS
        OF FREDHOLM INTEGRAL EQUATIONS, QUART. APPL. MATH.
        28(1970), 277-281, MR:41-8942 <76.0, 91.0>
MUKMINOV, B.R.
    1 ON EXPANSION WITH RESPECT TO THE EIGEN-FUNCTIONS OF
        DISSIPATIVE KERNELS, DOKL. AKAD. NAUK SSSR (N.S.) 99,
        499-502 (1954), MR:16-830 <24.0>

MULDOWNEY, J.S., WONG, J.S.W.
    1   BOUNDS FOR SOLUTION OF NONLINEAR INTEGRODIFFERENTIAL
        EQUATIONS, J. MATH. ANAL. APPL. 23 (1968) 487-499,
        MR:38-6327 <17.0>
MULLER, C.
    1   A NEW METHOD FOR SOLVING FREDHOLM INTEGRAL EQUATIONS,
        COMM. PURE APPL. MATH. 8 (1955) 635-640, MR:17-1215
        <49.1>
    2   ZUR METHODE DER STRAHLUNGSKAPAZITAT VON H. WEYL, MATH.
        ZEITS. 56 (1952) 80-83, MR:14-518 <95.0>
MULLER, H.N.
    1   UBER EINE SINGULARE INTEGRALGLEICHUNG 1. ART MIT
        ZUSATZKERN, MATH. NACHR. 35 (1967) 57-74, MR:36-4285
        <78.0>
MULLER, K.-H.
    1   ZUR INSTATIONAREN WARMELEITUNG IN FESTKORPERN, Z. ANGEW.
        MATH. PHYS. 14 (1963) 748-755, MR:28-2422 <120.0>
MULLER, P.H.
    1   EIGENWERTABSCHATZUNGEN FUR EINE QUADRATISCHE
        EIGENWERTGLEICHUNG, ARCH. MATH. 12(1961), 307-310,
        MR:25-5356 <24.5>
MULLIKIN, T.W.   (SEE ALSO - CARLSTEDT, J.L., LEONARD, A.)
    1   PRICIPLES OF INVARIANCE IN TRANSPORT THEORY, J. MATH.
        ANAL. APPL. 3 (1961) 441-454, MR:26-2283 <119.7>
    2   CHANDRASKHAR'S X AND Y EQUATIONS, TRANS. AMER. MATH.
        SOC. 113 (1964) 316-332, MR:29-3850 <119.5>
    3   A NONLINEAR INTEGRODIFFERENTIAL EQUATION IN RADIATIVE
        TRANSFER, J. SOC. INDUST. APPL. MATH. 13 (1965) 388-410,
        MR:32-2875 <119.3>
    4   A COMPLETE SOLUTION OF THE X AND Y EQUATIONS OF
        CHANDRASKHAR, ASTROPHYS. J. 136(1962) 627-635,
        MR:27-3433 <119.5>
    5   RADIATIVE TRANSFER IN HOMOGENEOUS PLANE-PARALLEL
        ATMOSPHERES, RAND CORP. RM-3209-NASA (AUGUST, 1962)
        <119.3>
    6   UNIQUENESS PROBLEMS IN THE MATHEMATICS OF MULTIPLE
        SCATTERING, RAND CORP. RM-3221-1-PR (1962) <119.5>
    7   CHANDRASKHAR'S X AND Y FUNCTIONS FOR HOMOGENEOUS
        ATMOSPHERES, RAND CORP. MEMO. RM-3376-JPL (DEC. 1962)
        <119.5>
    8   A TYPE OF INSTABILITY OF AN INTEGRO-DIFFERENTIAL
        EQUATION FOR THE SCATTERING FUNCTION IN RADIATIVE
        TRANSFER, RAND CORP. RM-3548-PR (MARCH, 1963) <119.3>
    9   RADIATIVE TRANSFER IN HOMOGENEOUS ANISOTROPIC SLABS,
        RAND CORP. RM-3558-PR (MARCH, 1963) <119.3>
   10   SINGULAR SOLUTION OF A INTEGRO-DIFFERENTIAL EQUATION IN
        RADIATIVE TRANSFER, RAND CORP. RM-3575 (1963) <119.3>
   11   ESTIMATES OF CRITICAL DIMENSIONS OF SPHERICAL AND SLAB
        REACTORS, J. MATH. ANAL. APPL. 5 (1962) 184-199,
        MR:33-5377 <119.0>

12 NONLINEAR INTEGRAL EQUATIONS OF RADIATIVE TRANSFER,
        NONLINEAR INTEGRAL EQUATIONS (PROC. ADV. SEMINAR, M.R.C.
        MADISON, WISCONSIN, 1963), 345-374, MR:28-5778 <119.5>
MULLIKIN, T.W., SELIN, I.
    1 THE LIKELIHOOD RATIO FILTER FOR THE DETECTION OF
        GAUSSIAN SIGNALS IN WHITE NOISE, RAND CORP. RM-4207-PR
        (SEPT. 1964) <124.0>
MULLINEUX, N., REED, J.R.
    1 ON A CLASS OF INTEGRAL EQUATION, QUART. APPL. MATH. 25
        (1967) 327-329 <77.0>
MULTHOPP, H.
    1 DIE BERECHNUNG DER AUFTRIEBSVERTEILUNG VON TRAGFLUGELN,
        LUFTFAHRTFORSCHG. 15 (1938) 153-169 <108.6>
    2 METHODS FOR CALCULATING THE LIFT DISTRIBUTION OF WINGS,
        REP. AND MEMO. AERO. RES. COUNCIL,. NO. 2884 (1955),
        MR:17-313 <108.6>
MUNCH, G., CHANDRASEKHAR, S.
    1 THE THEORY OF THE FLUCTUATIONS IN BRIGHTNESS OF THE
        MILKY WAY. IV., ASTROPHYS. J. 115 (1952) 94-102,
        MR:13-786 <124.0>
MUNK, M.
    1 GENERAL THEORY OF THIN WING SECTIONS, NACA REP. 142
        (1922) <108.6>
MURDOCK, W.L.   (SEE - KAC, M.)
MURNAGHAN, F.D.
    1 INTRODUCTION TO APPLIED MATHEMATICS, WILEY (1948),
        MR:10-105 <02.0>
MURTHY, K.K.
    1 ON THE DESIGN OF QUADRATIC WEIRS, J. FRANKLIN INST.
        287(1969), 159-174 <123.2>
MUSCHTER, F.
    1 VERGLEICH VERSCHIEDENER NAHERUNGSLOSUNGEN EINER LINEAREN
        INTEGRALGLEICHUNG ZWEITER ART DER HYDROMECHANIK, WISS.
        Z. TECHN. UNIV. DRESDEN 13 (1964) 1037-1040, MR:32-1924
        <113.0>
MUSTNA, S.S.
    1 APPROXIMATE SOLUTIONS OF A CLASS OF NONLINEAR INTEGRAL
        EQUATIONS, MAT. SBORNIK N.S., 27 (1950) 171-174,
        MR:12-340
MUSKHELISHVILI, N.T.
    1 SINGULAR INTEGRAL EQUATIONS, NOORDHOFF (1953), MR:15-434
        <01.0, 73.0, 78.0>
    2 SOME BASIC PROBLEMS OF THE MATHEMATICAL THEORY OF
        ELASTICITY, NOORDHOFF (1963), MR:31-920 <02.0, 73.0,
        78.0>
MYERS, J.M.
    1 WAVE SCATTERING AND THE GEOMETRY OF A STRIP, J. MATH.
        PHYS. 6(1965), 1839-1846, MR:32-3460 <96.2>
MYSOVSKIH, I.P.
    1 ON THE CONVERGENCE OF NEWTON'S METHOD, TRUDY MAT. INST.
        STEKLOV 28 (1949) 145-147, MR:12-419 <49.8>

2   ON THE CONVERGENCE OF THE METHOD OF L. V. KANTOROVICH
      FOR THE SOLUTION OF NONLINEAR FUNCTIONAL EQUATIONS AND
      ITS APPLICATIONS, VESTNIK LENINGRAD UNIV. 11 (1953)
      25-48, MR:17-879 (49.8)
3   ESTIMATION OF ERROR ARISING IN THE SOLUTION OF AN
      INTEGRAL EQUATION BY THE METHOD OF MECHANICAL
      QUADRATURES, VESTNIK LENINGRAD UNIV. II(1956) 56-72,
      MR:19-66 (42.0)
4   PROOF OF THE EXISTENCE OF AN EIGENVALUE FOR A SYMMETRIC
      KERNEL, USPEHI MAT. NAUK. (N.S.) 11(1956), 199-200,
      MR:18-205 (24.0)
5   COMPUTATION OF THE EIGENVALUES OF INTEGRAL EQUATIONS BY
      MEANS OF ITERATED KERNELS, DOKL. AKAD. NAUK. USSR
      115(1957),45-48
6   COMPUTATION OF THE EIGENVALUES OF INTEGRAL EQUATIONS BY
      MEANS OF ITERATED KERNELS, DOKL. AKAD. NAUK. SSSR (N.S.)
      115(1957), 45-48, MR:21-2885 (54.0)
7   REPRESENTATION OF THE RESOLVENT OF THE SUM OF TWO
      KERNELS, MAT. SB. 46(88), (1958), 77-90, MR:20-6015
      (21.8)
8   ESTIMATE OF THE ERROR OF APPROXIMATE METHODS OF
      INVESTIGATION OF EIGENVALUES OF A HERMITIAN KERNEL, MAT.
      SB. (M.S.) 48 (90) (1959) 137-148, TRANSL. AMER. MATH.
      SOC. TRANSL. (2) 35(1964) 237-249,, MR:22-1994 (54.0)
9   ON ERROR BOUNDS FOR EIGENVALUES CALCULATED BY REPLACING
      THE KERNEL BY AN APPROXIMATE KERNEL, MAT. SB. (N.S.) 49
      (91) (91) (1959) 331-340, TRANSL. AMER. MATH. SOC.
      TRANSL. SER. 2, 35(1964), 251-262,, MR:25-4319 (54.0)
10 ESTIMATE OF THE ERROR INVOLVED IN THE NUMERICAL SOLUTION
      OF A LINEAR INTEGRAL EQUATION, DOKL. AKAD. NAUK SSSR,
      140 (1961), 763-765, TRANSL. SOV. MATH. 2 (1961)
      1268-1270 (42.0)
11 A METHOD OF MECHANICAL QUADRATURE FOR SOLVING INTEGRAL
      EQUATIONS, VESTNIK LENINGRAD UNIV. 17 (1962) 78-88,
      MR:26-5758 (42.0)
12 AN ERROR BOUND FOR THE NUMERICAL SOLUTION OF A NONLINEAR
      INTEGRAL EQUATION, DOKL. AKAD. NAUK SSSR 153 (1963)
      30-33, MR:28-735 (49.8)
13 ON THE ACCURACY OF CALCULATION OF CHARACTERISTIC NUMBERS
      OF AN INTEGRAL EQUATION BY THE METHOD OF MECHANICAL
      QUADRATURE, METODY VYCISL 3(1966), 13-21, MR:35-2511
      (54.0)
14 THE CONVERGENCE OF THE METHOD OF MECHANICAL CUBATURES
      FOR THE SOLUTION OF INTEGRAL EQUATIONS, METODY VYCISL
      4(1967), 63-72, MR:36-7327 (42.0)
NAIMAN, I.
1   NUMERICAL EVALUATION OF THE E-INTEGRAL OCCURRING IN THE
      THEODORSEN ARBITRARY AIRFOIL POTENTIAL THEORY, NACA
      WARTIME REPORT, LANGLEY FIELD, L-136 (1944) (41.0,
      50.0)

2   NUMERICAL EVALUATION BY HARMONIC ANALYSIS OF THE
        E-FUNCTION OF THE THEODORSEN ARBITRARY-AIRFOIL POTENTIAL
        THEORY, NACA WARTIME REPORT, LANGLEY FIELD L-154 (1945)
        <50.0>
NARAIN, P.   (SEE ALSO - SRIVASTAV, R.P.)
    1   A NOTE ON AN ASYMMETRIC MIXED BOUNDARY VALUE PROBLEM FOR
        A HALF SPACE WITH A CYLINDRICAL CAVITY, PROC. GLASGOW
        MATH. ASSOC. 7(1965), 45-47, MR:31-2577 <92.9>
NARASIMHA, S.   (SEE - LIEPMANN, H.W.)
NASHED, M.Z.
    1   ON GENERAL ITERATIVE METHODS FOR THE SOLUTION OF A CLASS
        OF NONLINEAR OPERATOR EQUATIONS, MATH. COMP. 19(1965),
        14-24, MR:31-4143 <49.0>
    2   THE CONVERGENCE OF THE METHOD OF STEEPEST DESCENTS FOR
        NONLINEAR EQUATIONS WITH VARIATIONAL OR
        QUASI-VARIATIONAL OPERATORS, J. MATH. MECH. 13(1964),
        765-794, MR:29-3911 <49.0>
NASHED, M.Z., WONG, J.S.W.
    1   SOME VARIANTS OF A FIXED POINT THEOREM OF KRASNOSELSKII
        AND APPLICATIONS TO NONLINEAR INTEGRAL EQUATIONS, J.
        MATH. MECH. 18(1969), 767-777, MR:38-6416 <11.0, 28.0,
        37.5>
NAYLOR, D.
    1   ON A FINITE LEBEDEV TRANSFORM II, J. MATH. MECH.
        15(1966), 455-464, MR:33-517 <62.0>
    2   ON THE DIRECT SOLUTION OF CERTAIN HALF-PLANE MIXED
        BOUNDARY-VALUE PROBLEMS, PROC. CAMB. PHIL. SOC. 62(1966),
        753-759, MR:33-6161 <96.0>
    3   ON A FINITE LEBEDEV TRANSFORM, J. MATH. MECH. 12(1963),
        375-383, MR:26-4127 <62.0>
NAZARENKO, T.I.
    1   ON THE NUMERICAL SOLUTION OF THE CAUCHY PROBLEM FOR A
        CLASS OF LINEAR INTEGRO-DIFFERENTIAL EQUATIONS OF
        VOLTERRA TYPE, SIBIRSK. MAT. Z. 4(1963), 303-308,
        MR:26-7171 <18.0>
    2   NUMERICAL SOLUTION OF THE CAUCHY PROBLEM FOR A CLASS OF
        INTEGRO-DIFFERENTIAL EQUATIONS, IZV. VYSS, UCEKN. ZAVED.
        MATEMATIKA 4(1962).110-117, MR:25-2715 <18.0>
NAZAROV, N.N.
    1   METHODS FOR THE SOLUTION OF INTEGRAL EQUATIONS OF
        HAMMERSTEIN'S TYPE, ACTA (TRUDY) UNIV. ASIAE MEDIAE
        FASC. 6(1945), MR:8-518 <26.0>
    2   NON-LINEAR INTEGRAL EQUATIONS OF HAMMERSTEIN'S TYPE,
        ACTA TRUDY) UNIV. ASIAE MEDIAE. SER. V-A., FASC.
        33(1941), 79PP., MR:3-150 <26.0>
    3   ON ONE CLASS OF HOMOGENEOUS NONLINEAR INTEGRAL EQUATIONS,
        ACTA (TRUDY) UNIV. ASIAE MEDIAE. SER. V-A. FASC. 23,
        12PP (1939), MR:8-518 <27.0>
    4   ON A CLASS OF NONLINEAR INTEGRO-DIFFERENTIAL EQUATIONS,
        DOKL. AKAD. NANK. SSSR (N.S.) 58 (1947), 741-744,
        MR:9-357 <31.0>

NAZAROV, N.N., VAINBERG, M.M.
   1   THE PRESENT STATUS OF THE THEORY OF NON-LINEAR INTEGRAL
         EQUATIONS, TRUDY TRETEGO VSEOJUNZ MAT. S'EZDA, MOSCOW,
         (1956), 3, (1958), 10, Z887-103, AB87-103 <05.0, 26.0,
         27.0, 28.0>
NAZAROV, S.M.
   1   EXISTENCE AND UNIQUENESS THEOREMS FOR THE SOLUTION OF A
         SYSTEM OF A CERTAIN CLASS OF NONLINEAR INTEGRAL
         EQUATIONS, BASKIR. GOS. UNIV. UCEN. ZAP. VYP. 20(1965),
         101-110, MR:32-8094 <28.0>
   2   SINGLE-VALUED AND MANY VALUED EXTENSIONS OF THE SOLUTION
         OF A CLASS OF NON-LINEAR INTEGRAL EQUATIONS, BASKIR.
         GOS. UNIV. UCEN. ZAP. VYP. 20(1965), 91-100, MR:32-8093
         <28.0>
   3   SINGULAR SOLUTIONS OF A CLASS OF NON-LINEAR INTEGRAL
         EQUATIONS, BASKIR. GOS. UNIV. UCEN. ZAP. VYP. 20(1965),
         79-89, MR:32-8092 <28.0>
   4   SINGULAR SOLUTIONS OF A CLASS OF NONLINEAR INTEGRAL
         EQUATIONS, BASKIR. GOS. UNIV. UCEN. ZAP. VYP. 20(1965),
         SER. MAT. NO. 2, 119-131, MR:35-4697 <28.0>
NECEPURENKO, M.I.
   1   ON CEBYSEV'S METHOD FOR FUNCTIONAL EQUATIONS, USPEHI
         MATEM. NAUK 9(1954) 163-170, (TRANSL. BY L. B. RALL) -
         M. R. C. TECH. SUMMARY REPT. NO. 648, MARCH 1966,
         MR:15-801 <49.8>
NEHARI, Z.
   1   ON A CLASS OF NONLINEAR INTEGRAL EQUATIONS, MATH. Z.
         72(1959/60), 175-183, MR:22-3960 <26.0>
NEKRASOV, A.I.
   1   THE EXACT THEORY OF STEADY WAVES ON THE SURFACE OF A
         HEAVY FLUID, IZDAT. AKAD. NAUK SSSR, MOSCOW, 1951 <112.1>
   2   APPLICATIONS OF THE THEORY OF INTEGRAL EQUATIONS TO THE
         CALCULATION OF THE CRITICAL VELOCITY OF FLUTTER OF AN
         AIRPLANE WING, AKAD. NANK. SSSR. IZZENEPNYI SKORNIK 4,
         NO. 1, 3-45(1947), MR:12-459 <115.0>
NEKRASOV, F.M.
   1   NONLINEAR THEORY OF OSCILLATIONS IN AN ELECTRON-ION
         PLASMA, Z. TEHN. FIZ. 30(1960), 774-780, TRANSL. SOVIET
         PHYSICS., TECH. PHYS. 5(1961), 727-733, MR:22-9038
         <119.9>
   2   ON THE NONLINEAR THEORY OF STATIONARY PROCESSES IN AN
         ELECTRON PLASMA, Z. EKSPER. TEOR. FIZ. 38(1960), 233-238,
         TRANSL. SOVIET PHYS. JETP 11(1961), 170-173, MR:22-7623
         <119.9>
NELDER, J.A.   (SEE - HAMMERSLEY, J.M.)
NEMYTSKII, V.V.
   1   A METHOD FOR FINDING ALL SOLUTIONS OF NONLINEAR OPERATOR
         EQUATIONS, DOKL. AKAD. NAUK SSSR 131(1960) 746-747,
         TRANSL. SOV. MAT. 1(1960), 330-331, MR:22-12420 <37.5>
   2   THE FIXED POINT METHOD IN ANALYSIS, USHENI MAT. NAUK.
         1(1936), 141-174, TRANSL. IN AMER. MATH. SOC. TRANSL.
         SER 2 34, 1-37, MR:11-526 <31   >

3 COMPARISON OF NONLINEAR INTEGRAL EQUATIONS WITH LINEAR
      ONES, DOKL. AKAD. NAUK SSSR 15(1937), NO. 1, 17-20
      <28.0>
4 ON A CLASS OF NON-LINEAR INTEGRAL EQUATIONS, MATH.
      SBORNIK 41(1935), 655- <28.0>
5 ON NONLINEAR INTEGRAL EQUATIONS, COMPTES. RENDUS. PARIS,
      196(1933), 838- <28.0>
6 SOME NONLINEAR INTEGRAL EQUATIONS COMPARABLE WITH LINEAR,
      DOKL. AKAD. NAUK. SSSR 15(1937), 13- <28.0>
7 ON A GENERAL CLASS OF NONLINEAR INTEGRAL EQUATIONS,
      MATEM. SB. 41(1934), 655-658 <28.0>
8 THEOREMS OF EXISTENCE AND UNIQUENESS FOR NONLINEAR
      INTEGRAL EQUATIONS, MATEM. SB. 41(1934), 438-452 <28.0>
9 THEOREM OF EXISTENCE AND UNIQUENESS OF SOLUTIONS OF SOME
      NON-LINEAR INTEGRAL EQUATIONS, MATH. SBORNIK 41 (1934)
      421 <28.0>
NEUMAN, C.P.   (SEE ALSO - BAREISS, E.H.)
   1 ZUR THEORIE DES LOGARITHMISCHEN UND DES NEWTONSCHEN
      POTENTIALS. ERSTE MITTHEILUNG. BESICHTE UBER DIE
      VERHANDLUNGEN DER KONIGLICH SACHSISCHEN GESELLSCHAFT DER
      WISSENSCHAFTEN ZU LEIPZIG, MATH.-PHYS. CLASSE 22(1870),
      49-56, 264-321 <07.0, 90.0>
   2 UNTERSUCHUNGEN UBER DAS LOGARITHMISCHE UND NEWTONSCHE
      POTENTIAL, TEUBNER LEIPZIG(1877) <07.0, 90.0>
NEWELL, G.F.   (SEE - AZPEITIA, A.G.)
NEWMAN, D.J.
   1 UNIQUENESS THEOREMS FOR CONVOLUTION-TYPE EQUATIONS,
      PROC. AMER. MATH. SOC. 16(1965), 629-634, MR:31-2574
      <12.0>
NEWMAN, D.J., MORGAN, S.P.
   1 EXISTENCE OF EIGENVALUES OF A CLASS OF INTEGRAL
      EQUATIONS ARISING IN LASER THEORY, BELL. SYST. TECH. J.
      43(1964), 113-127 <24.9>
NEWTON, R.G.
   1 SCATTERING THEORY OF WAVES AND PARTICLES, MCGRAW-HILL
      BOOK CO., NEW YORK-TORONTO, ONT., -LONDON, 1966,
      MR:36-4875 <02.0, 116.0, 116.6>
   2 SPURIOUS SOLUTIONS OF THREE-PARTICLE EQUATIONS, PHYS.
      REV. 153(1967), 1502- <117.0>
   3 ANALYTIC PROPERTIES OF RADIAL WAVE FUNCTIONS, J. MATH.
      PHYS. 1(1960), 319-347, MR:22-6490 <116.6>
   4 REMARKS ON SCATTERING THEORY, PHYS. REV. (2) 101(1956),
      1588-1596, MR:17-925 <116.0>
NEWTON, R.R.
   1 DISTRIBUTION OF LIGHT INTENSITY WITHIN A SCATTERING
      MEDIUM, J. APPL. PHYS. 14(1943), 481-486, MR:5-52 <119.3>
NEY, P.E.   (SEE - CHOVER, J.)
NGUEN, T.H.
   1 ON THE THEORY OF FREDHOLM EQUATIONS OF THE FIRST KIND,
      DOKL. AKAD. NAUK SSSR 166(1966), 795-797, TRANSL. SOVIET
      MATH. DOKL. 7(1966), 178-180, MR:33-578 <29.0>

NI , V.KH.
   1 A TWO-DIMENSIONAL MIXED BOUNDARY-VALUE PROBLEM OF HEAT
         AND MASS TRANSFER WITH MULTIPLE ROOTS OF THE
         CHARACTERISTIC EQUATION, INZHEN. - FIZ. ZH. 8(1965),
         644-652, AMR:19-6564 <120.0>
NICHOLSON, R.S.
   1 SOME EXAMPLES OF THE NUMERICAL SOLUTION OF NONLINEAR
         INTEGRAL EQUATIONS, ANAL. CHEM. 37(1965), 667-671 <13.0,
         123.0>
NICHOLSON, R.S., SHAIN, I.
   1 THEORY OF STATIONARY ELECTRODE POLAROGRAPHY, ANALYTIC.
         CHEM. 36(1964), 706-723 <13.0, 123.2>
NICKEL, K.
   1 FEHLERABSCHATZUNSG- UND EINDEUTIGKEITSATZE FUR
         INTEGRO-DIFFERENTIELGLEICHUNG, ARCH. RAT. MECH. ANAL.
         8(1961), 159-180,, MR:23-B2605 <31.0>
   2 LOSUNG EINES INTEGRALGLEICHUNGSSYSTEMS AUS DER
         TRAGFLUGELTHEORIE, MATH. Z. 54(1951), 81-96, MR:13-43
         <78.0, 108.0>
   3 LOSUNG VON ZWEI VERWANDTEN INTEGRALGLEICHUNGSSYSTEMEN,
         MATH. Z. 58(1953), 49-62, MR:14-988 <78.0>
   4 ZUSATZ ZU J. DORR: STRENGE LOSUNG DER INTEGRALGLEICHUNG
         FUR EIN FLUGELGITTER, ING. - ARCH. 20(1952), 6-7,
         MR:14-54 <78.0, 108.0>
NICKELL, R.E.   (SEE - SACKMAN, J.L.)
NIETHAMMER, W.
   1 ITERATIVE METHODS FOR CONFORMAL MAPPING, COMPUTING
         1(1966), 146-153, MR:34-3813 <107.0>
NIRENBERG, L.   (SEE - KARLIN, S.)
NISHIJIMA, K.
   1 SOLUTIONS OF A BETHE-SALPETER EQUATION FOR SCATTERING
         STATES, PROGR. THEORET. PHYS. 14(1955), 203-213,
         MR:17-694 <116.0>
NISHIMURA, J., KAMATA, K.
   1 ON THE THEORY OF CASCADE SHOWERS I, PROGRESS THEORET.
         PHYSICS 7(1952), 185-192, MR:14-879 <122.0>
NISHIYAMA, T.
   1 STUDY ON SUBMERGED HYDROFOILS, SOC. NAVAL ARCH. JAPAN
         2(1957), 95-134, MR:23-B1260 <109.0>
   2 LIFTING-LINE THEORY OF THE SUBMERGED HYDROFOIL OF FINITE
         SPAN, J. AMER. SOC. NAVAL ENGINEERS, PART I. 71(1959)
         511-519, PART II 71(1959) 693-701, PART III 72(1960)
         153-158, PART IV 72(1960) 353-361, AMR:14-561 <109.0>
   3 UNIFIED LIFTING-LINE THEORY OF FULLY WETTED HYDROFOILS,
         J. SHIP RES. 9 NO. 2(1965), 131-142, MR:18-4513 <109.0>
   4 UNSTEADY HYDROFOIL THEORY, J. ZOSEN KIOKAI PART I
         112(1962), 1-14, PART II 112(1962), 15-19, PART III
         113(1963), 1-6, PART IV 114(1963), 1-8, MR:27-1040,
         MR:27-1041,MR:18-4514 <109.0>
   5 LIFTING-SURFACE THEORY OF FULLY SUBMERGED HYDROFOILS, J.
         SHIP RES. 8 NO. 4 (1965), 1-12, MR:19-2677 <109.0>

5 WAVE FORCES AND MOMENT ON THE FLAT-PLATE HYDROFOIL, J.
  SHIP. RES. 8, NO. 1 (1964), 38-44, MR:30-3646 <109.0>

6 MUNK'S INTEGRAL FOR FORCIBLY CAVITATED HYDROFOILS BY
  ACCELERATION POTENTIAL CONCEPTS, TECH. REP. TOHOKU UNIV.
  31,1(1966), 23-39, AMR:21-2326 <109.0>

NOBLE, B.

1 CERTAIN DUAL INTEGRAL EQUATIONS, J. MATH. PHYS. 37(1958),
  128-136, MR:20-4754 <67.5>

2 THE SOLUTION OF BESSEL FUNCTION DUAL INTEGRAL EQUATIONS
  BY A MULTIPLYING-FACTOR METHOD, PROC. CAMB. PHIL. SOC.
  59(1963), 351-362, MR:26-2842 <67.5>

3 ON SOME DUAL INTEGRAL EQUATIONS, QUART. J. MATH. OXFORD
  SER. (2) 6(1955), 81-87, MR:17-45 <67.5>

4 METHODS BASED ON THE WIENER-HOPF TECHNIQUE FOR THE
  SOLUTION OF PARTIAL DIFFERENTIAL EQUATIONS, PERGAMON,
  1958, MR:21-1505 <70.0, 71.0>

5 THE APPROXIMATE SOLUTION OF DUAL INTEGRAL EQUATIONS BY
  VARIATIONAL METHODS, PROC. EDINBURGH MATH. SOC.
  11(1958/59), 115-126, MR:21-4340 <48.5, 67.8>

6 THE NUMERICAL SOLUTION OF NONLINEAR INTEGRAL EQUATIONS
  AND RELATED TOPICS, NONLINEAR INTEGRAL EQUATIONS (PROC.
  ADVANCED SEMINAR MATH. RESEARCH CENTER, U. S. ARMY,
  UNIV. WISCONSIN, 1963), 215-318, UNIV. WIS. PRESS,
  MADISON, WIS., 1964, MR:30-3582 <05.0, 40.1, 72.8>

7 INSTABILITY WHEN SOLVING VOLTERRA INTEGRAL EQUATIONS OF
  THE SECOND KIND BY MULTISTEP METHODS, CONFERENCE ON THE
  NUMERICAL SOLUTION OF DIFFERENTIAL EQUATIONS, DUNDEE
  SPRINGER-VERLAG (1969), 23-39 <16.0>

8 THE NUMERICAL SOLUTION OF SINGULAR INTEGRAL EQUATIONS,
  MRC TECHNICAL SUMMARY REPORT NO. 730, JAN(1967) <43.0>

9 THE VIBRATION AND BUCKLING OF A CIRCULAR PLATE CLAMPED
  OVER PART OF ITS CIRCUMFERENCE AND FREE OVER THE
  REMAINDER, DEVELOPMENTS IN MECHANICS, VOL. 3, PART 2,
  WILEY (1965), 141-146 <65.1, 104.3>

10 SOME DUAL SERIES EQUATIONS INVOLVING JACOBI POLYNOMIALS,
  PROC. CAMB. PHIL. SOC. 59(1963), 363-372 <66.7>

11 INTEGRAL EQUATION PERTUBATION METHODS IN LOW-FREQUENCY
  DIFFRACTION, PROC. SYMP. ON ELECTROMAGNETIC THEORY,
  UNIV. OF WISCONSIN PRESS (1962), 323-359 <101.0>

12 THE NUMERICAL SOLUTION OF THE SINGULAR INTEGRAL EQUATION
  FOR THE CHARGE DISTRIBUTION ON A FLAT RECTANGULAR LAMINA,
  PROC. SYMP. ON THE NUM. SOLN. OF DIFF. AND INT. EQNS.,
  BIRKHAUSER VERLAG(1961). 530-543 <43.0, 90.2>

13 REDUCTION OF THE INTEGRAL EQUATIONS FOR HIGH-FREQUENCY
  DIFFRACTION BY DISK AND STRIPS, INST. RADIO ENGRS.
  TRANS. VOL. AP-7(1959), 37-42 <97.5>

14 THE POTENTIAL AND CHARGE DISTRIBUTION NEAR THE TIP OF A
  FLAT ANGULAR SECTOR, INST. MATH. SCI., N.Y.U.RES. REP.
  EM-135,MAY(1959) <66.7>

NOBLE, B., BARLETT, C.C.

1 A VARIATIONAL METHOD FOR THE SOLUTION OF EIGENVALUE
  PROBLEMS INVOLVING MIXED BOUNDARY CONDITIONS, APPLIED
  SCI. RES. 9(1963), 403-419 <48.5, 91.0>

    2   A DERIVATION OF CERTAIN VARIATIONAL PRINCIPLES FOR MIXED
        BOUNDARY-VALUE PROBLEMS IN POTENTIAL THEORY, PROC. EDIN.
        MATH. SOC. 12(1961), 113-118 <48.5, 91.0>
NOBLE, B., HUSSAIN, M.
    1   ANGLE OF CONTACT FOR SMOOTH ELASTIC INCLUSIONS,
        DEVELOPMENTS IN MECHANICS, 4(1968), 459-476 <66.1,
        103.4>
    2   EXACT SOLUTION OF CERTAIN DUAL SERIES FOR INDENTATION
        AND INCLUSION PROBLEMS, INT. J. ENG. SCI. 7(1969),
        1149-1161 <66.1, 103.4>
    3   A VARIATIONAL METHOD FOR INCLUSION AND INDENTATION
        PROBLEMS, J. INST. MATH. APPLICS. 5(1969), 194-205
        <48.5, 103.4>
NOBLE, B., PETERS, A.S.
    1   A MULTIPLYING FACTOR METHOD FOR THE SOLUTION OF
        WIENER-HOPF EQUATIONS, PROC. EDIN. MATH. SOC. 12(1961),
        119-122, MR:24-A991 <70.0>
NOBLE, B., TAVERNINI, L.
    1   THE NUMERICAL SOLUTION OF LINEAR FREDHOLM INTEGRAL
        EQUATIONS OF THE SECOND KIND BY GENERALIZED QUADRATURE,
        TECH. SUMM. REPT. 898, MATH. RES. CENTER, UNIV.
        WISCONSIN, MADISON, WISCONSIN <43.0>
NOBLE, B., WHITEMAN, J.R.
    1   SOLUTION OF DUAL TRIGONOMETRIC SERIES USING
        ORTHOGONALITY RELATIONS, SIAM J. APPL. MATH. 18(1970),
        372-379 <66.1>
    2   SOLUTION OF DUAL TRIGONOMETRICAL SERIES USING
        ORTHOGONALITY RELATIONS, SIAM J. APPL. MATH. 18(1970),
        372-379, MR:41-5914 <66.1>
NOETHER, F.
    1   UBER EINE KLASSE SINGULARER INTEGRALGLEICHUNGEN, MATH.
        ANN. 82(1921), 42-63 <28.3>
NOHEL, J.A.   (SEE ALSO - LEVIN, J.J., MILLER, R.K.)
    1   PROBLEMS IN QUALITATIVE BEHAVIOR OF SOLUTIONS OF
        NONLINEAR VOLTERRA EQUATIONS, NONLINEAR INTEGRAL
        EQUATIONS ,ED. P. M. ANSELONE, UNIV. OF WIS. PRESS
        (1964), 191-214, MR:29-444 <11.0, 12.5>
    2   REMARKS ON NONLINEAR VOLTERRA EQUATIONS, PROC. U. S. -
        JAPAN SEMINAR ON DIFFERENTIAL AND FUNCTIONAL EQUATIONS,
        ED. W. A. HARRIS AND Y. SIBUYA, BENJAMIN (1967), 249-266,
        MR:36-5636 <11.0, 12.5>
    3   SOME PROBLEMS IN NONLINEAR VOLTERRA INTEGRAL EQUATIONS,
        BULL. AMER. MATH. SOC. 68(1962), 323-329, MR:26-2838
        <12.5>
    4   UN SYSTEME NON-LINEAIRE INTEGRO-DIFFERENTIEL DE LA
        DYNAMIQUE DES REACTEURS NUCLEAIRES, ENSEIGNEMENT MATH.
        (2) 12(1966), 165-172, MR:35-5884 <12.5, 123.0>
    5   A CLASS OF NONLINEAR DELAY DIFFERENTIAL EQUATIONS, J.
        MATH. AND PHYS. 38(1959/60), 295-311, MR:22-4931 <12.5>
    6   QUALITATIVE BEHAVIOR OF SOLUTIONS OF NONLINEAR VOLTERRA
        EQUATIONS, IN 'STABILITY PROBLEMS OF SOLUTIONS OF
        DIFFERENTIAL EQUATIONS', ED. GHIZZETTI, EDIZIONI
        'ODERISI', RUGGIO, 1966, 177-210 <12.5>

NORDEN, H.V.
    1   NUMERICAL INVERSION OF THE LAPLACE TRANSFORM, ACTA ACAD.
            ABO. MATH. PHYS. 22(1961), 3-31, MR:25-3609 <63.0>
NORTHOVER, F.M.
    1   AN EMBEDDING TECHNIQUE FOR THE SOLUTION OF LINEAR
            INTEGRAL EQUATIONS, J. MATH. ANAL. APPL. 29(1970),
            305-350, MR:40-3215 <21.0>
    2   APPLIED DIFFRACTION THEORY, ELSEVIER (1971) <101.0>
NOWACKI, W.   (SEE ALSO - KALISKI, S.)
    1   A BOUNDARY PROBLEM OF HEAT CONDUCTION, BULL. L'ACAD.
            POLON. DES SCIENCES, CL IV, 4(1957), 205-212 <91.0>
    2   SOME BOUNDARY PROBLEMS OF THE THEORY OF ELASTICITY,
            ARCH. MECH. STOS. 7(1955), 483-502, MR:18-82 <104.0>
    3   MIXED BOUNDARY-VALUE PROBLEMS OF ELASTODYNAMICS, BULL.
            ACAD. POLON. SER. SCI. TECH. (POLSKA AKAD. NAUK.)
            12(1964), 195-201, MR:30-4412 <105.0>
    4   ASSEMBLAGE STRESSES IN PLATES, ARCH. MECH. STOS. 8(1956),
            215-232, AMR:10-1052 <104.2>
    5   THERMAL STRESSES IN CYLINDRICAL SHELLS, ARCH. MECH.
            STOS. 8(1956),69-83, AMR:10-1034 <104.2>
    6   ON CERTAIN BOUNDARY PROBLEMS OF THE THEORY OF ELASTICITY,
            J. SCI. ENGRG. RES. 1(1957), 29-36, MR:22-7358 <104.0>
NOWACKI, W., OLESIAK, Z.
    1   VIBRATIONS, BUCKLING, AND BENDING OF A CIRCULAR PLATE
            CLAMPED ALONG PART OF ITS PERIPHERY AND SIMPLY SUPPORTED
            ON THE REMAINING PART, BULL. L'ACAD. POL. DES SCI. CL.
            IV, 4(1956), 247-258, ARCH. MECH. STOS. 8(1956), 233-255,
            AMR:10-1053 <104.3>
NOWACKI, W., SOKOLOWSKI, M.
    1   CERTAIN STABILITY PROBLEMS OF RECTANGULAR PLATES, ARCH.
            MECH. STOS. 9(1957), 109-124, MR:19-342 <104.2>
NOWAK, M.
    1   DIRECT SOLUTION OF POSSIO'S EQUATION OF INCOMPRESSIBLE
            FLOW, BULL. ACAD. POLONAISE SCI. SER. SCI. TECH. (POLSKA
            AKAD. NAUK) 13(1965), 101-105, AMR:18-6440 <108.0>
    2   SOLUTION OF POSSIO'S EQUATION FOR A CERTAIN SYSTEM OF
            OSCILLATING AIRFOILS IN AN INCOMPRESSIBLE FLOW, BULL. DE
            L'ACADEMIE POLONAISE DES SCIENCES- SCRIE DES SCIENCES
            TECHNIQUES 14(1966), 283-287, AMR:20-2081 <108.0>
NOWOSAD, P.
    1   ON THE INTEGRAL EQUATION KF=1/F ARISING IN A PROBLEM IN
            COMMUNICATION, J. MATH. ANAL. APPL. 14(1966), 484-492,
            MR:33-3832 <28.0, 77.0, 124.0>
NOYES, H.P.   (SEE - CHEW, G.F.)
NUSSENZVEIG, H.M.
    1   ANALYTIC PROPERTIES OF NON-RELATIVISTIC SCATTERING
            AMPLITUDES, MIMEO NOTES, LATIN AMERICA SCHOOL OF PHYSICS,
            (1962) <115.6>
    2   SOLUTION OF A DIFFRACTION PROBLEM, PART I THE DOUBLE
            WEDGE, PART II THE NARROW DOUBLE WEDGE, PHIL. TRANS.
            ROY. SOC. (LONDON), SERIES A NO. 1003, VOL. 252(1959),
            1-51, MR:21-6944 <101.0>

NUTTALL, J.   (SEE - WATSON, K.M.)
NYSTROM, E.J.
    1   UBER DIE PRAKTISCHE AUFLOSUNG VON LINEAREN
        INTEGRALGLEICHUNG MIT ANWENDUNGEN AUF RANDWERTAUFGEN DER
        POTENTIALTHEORIE, SOC. SCI. FENN. COMMENT. PHYS. MAT., 4
        NO. 15(1928), 1-52 <42.0, 90.2>
    2   UBER DIE PRAKTISCHE AUFLOSUNG VON INTEGRALGLEICHUNG,
        SOC. SCI. FENN. COMMENT. PHYS. MATH. 5 NO. 5(1929), 1-22
        <07.0, 42.0>
    3   UBER DIE PRAKTISCHE AUFLOSUNG VON INTEGRALGLEICHUNGEN
        MIT ANWENDUNGEN AUF RANDWERTAUFGABEN, ACTA MATH.
        54(1930), 185-204 <07.0, 42.0, 90.2>
    4   ZUR NUMERISCHE LOSUNG VON RANDWERTAUFGABEN BEI
        GEWOHNLICHEN DIFFERENTIALGLEICHUNGEN, ACTA MATH.
        76(1945), 157-184, MR:7-220 <89.0>
OBERG, E.N.
    1   THE APPROXIMATE SOLUTION OF INTEGRAL EQUATIONS, BULL.
        AMER. MATH. SOC. 41(1935), 276-284
ODEH, F.M.
    1   ON THE INTEGRODIFFERENTIAL EQUATIONS OF THE NONLOCAL
        THEORY OF SUPERCONDUCTIVITY, J. MATH. PHYS. 5(1964),
        1168-1182, MR:35-1274 <117.1>
    2   PRINCIPLES OF LIMITING ABSORPTION AND LIMITING AMPLITUDE
        IN SCATTERING THEORY. I. SCHRODINGER:S EQUATION, J.
        MATH. PHYS. 2(1961), 794-800, MR:27-4501 <116.0>
    3   PRINCIPLES OF LIMITING ABSORPTION AND LIMITING AMPLITUDE
        IN SCATTERING THEORY. II THE WAVE EQUATION IN AN
        INHOMOGENEOUS MEDIUM, J.MATH. PHYS. 2(1961), 800-802,
        MR:27-4502 <116.0>
ODEH, F.M., TADJBAKHSH, I.
    1   UNIQUENESS IN THE LINEAR THEORY OF VISCOELASTICITY,
        ARCH. RAT. MECH. ANAL. 18(1965), 244-250, MR:30-2771
        <106.0>
    2   A NONLINEAR EIGENVALUE PROBLEM FOR ROTATING RODS, ARCH.
        RAT. MECH. ANAL. 20(1965):81-94, MR:32-3358 <115.0>
OGIBALON, P.M.   (SEE - ILYUSHIN, A.A.)
OKUBO, H.
    1   ON THE TWO-DIMENSIONAL PROBLEM OF A SEMI-INFINITE
        ELASTIC BODY COMPRESSED BY AN ELASTIC PLANE, QUART. J.
        MECH. APPL. MATH. IV(1951), 260-270, MR:13-510 <103.1>
OLBERT, S., STORA, R.
    1   THEORY OF HIGH-ENERGY N-COMPONENT CASCADES, ANN. PHYSICS
        1(1957), 247-269, MR:20-3727 <121.0>
OLECH, C.
    1   ON A SYSTEM OF INTEGRAL INEQUALITIES, COLLOQ. MATH.
        16(1967), 137-139, MR:35-2116 <11.0>
OLESIAK, Z.   (SEE ALSO - NOWACKI, W.)
    1   THE STATE OF STRESS AND STRAIN IN TUBES REINFORCED BY
        RINGS, BULL. L'ACAD. POL. DES SCIENCE, CL IV, V(1957),
        121-127 <104.2>
    2   THE STATE OF STRESS AND STRAIN IN A SHAFT WITH
        PRESS-FITTED RINGS OR CIRCULAR DISKS, BULL. DE L'ACAD.,
        POL. DES SCI. CL IV, V(1957), 135-138 <103.9>

   3   A BENT CIRCULAR PLATE WITH LINEAR SUPPORTS INSIDE THE
        PLATE REGION, ARCH. MECH. STOS. 9 (1957) 227-245,
        MR:19-1212 <104.3>
   4   DISCONTINUOUS BOUNDARY CONDITIONS AND LINEAR SUPPORTS IN
        STATICAL PROBLEMS OF CYLINDRICAL SHELLS, ARCH. MECH.
        STOS. 9(1957), 550-563, AMR:11-3961 <104.2>

OLIVE, D.I.   (SEE - EDEN, R.J.)

OLMSTEAD, W.E.
   1   THE INJECTION FROM A HALF-PLANE IN THE OSEEN
        APPROXIMATION, Z. A. M. P. 17(1966), 569-576,
        AMP:20-4886 <71.0, 113.0>
   2   AN EXACT SOLUTION FOR OSEEN FLOW PAST A HALF PLANE AND A
        HORIZONTAL FORCE SINGULARITY, J. MATH. PHYS. 45(1966),
        156-161, MR:33-8152 <71.0, 113.0>
   3   A NOTE ON OSEEN FLOW IN THE PLANE, J. MATH. PHYS.
        44(1965), 240-244, MR:31-6462 <113.0>

OLMSTEAD, W.E., BYRNE, W.J.JR.
   1   AN EXACT SOLUTION FOR OSEEN FLOW PAST A HALF PLANE AND A
        VERTICAL FORCE SINGULARITY, J. MATH. PHYS. 45(1966),
        402-407, MR:34-7103 <71.0, 113.0>

OLMSTEAD, W.E., HECTOR, D.L.
   1   ON THE NON-UNIQUENESS OF OSEEN FLOW PAST A HALF PLANE,
        J. MATH. PHYS. 45(1966), 408-417, MR:34-7104 <113.0>

OMNES, R.
   1   ON THE SOLUTION OF CERTAIN SINGULAR INTEGRAL EQUATIONS
        OF QUANTUM FIELD THEORY, NUOVO CIMENTO, 8(1958), 316-326,
        MR:20-688 <73.0, 116.8>

ONAT, E.T.
   1   ON A VARIATIONAL PRINCIPLE IN LINEAR VISCOELASTICITY, J.
        DE MECANIQUE 1(1962), 135-140, MR:26-4563 <48.5, 106.0>

ONAT, E.T., BREVER, S.
   1   ON UNIQUENESS IN LINEAR VISOELASTICITY, PROGRESS IN
        APPLIED MECHANICS, MACMILLAN (1963) 349-353, ALSO,
        MR:28-1826 <106.0>

OPREA, A.   (SEE - MANGERON, D.)
ORRALL, F.Q.   (SEE - JEFFERIES, J.T.)

ORTEGA, J.M., REINBOLT, W.C.
   1   MONOTONE ITERATIONS FOR NON-LINEAR EQUATION WITH
        APPLICATION TO GAUSS-SEIDEL METHODS, SIAM J. NUMER.
        ANAL. 4(1967), 171-190, MR:35-6328 <49.0>

OSBORN, J.F.
   1   APPROXIMATION OF THE EIGENVALUES OF NON SELF-ADJOINT
        OPERATORS, J. MATH. PHYS. 45(1966), 391-401, MR:34-8189
        <54.0>
   2   APPROXIMATION OF THE EIGENVALUES OF A CLASS OF UNBOUNDED
        NONSELF-ADJOINT OPERATORS, SIAM J. NUMER. ANAL. 4(1967),
        45-54, MR:35-4758 <54.0>

OSOSKOU, G.A.   (SEE - ZICKOV, E.P.)

OSTROWSKI, A.M.
   1   SUR L'APPROXIMATION DER DETERMINANT DE FREDHOLM PAR LES
        DETERMINANTS DES SYSTEMES DES EQUATIONS LINEAIRES,
        ARKIV. FIS. MAT., ASTRON. OCT. FYS. 26A(1938), 1-15
        <21.2>

2 SUR UNE TRANSFORMATION DE LA SERIE DE LIOUVILLE-NEUMANN,
   C. R. ACAD. SCI., PARIS 203(1936), 502 <20.0>
3 THE ROUND-OFF STABILITY OF ITERATIONS, Z. A. M. M.
   47(1967), 77-81 <49.0>
4 CONFORMAL MAPPING OF A SPECIAL ELLIPSE ON THE UNIT
   CIRCLE· EXPERIMENTS IN THE COMPUTATION OF CONFORMAL MAPS,
   1-2, 3-5, NAT. BUR. STAND. APPL. MATH. SERIES., NO. 42,
   U. S. GOV. PRINT. OFFICE, 1955, MR:17-540 <107.0>
5 ON A DISCONTINUOUS ANALOGUE OF THEODORSEN'S AND
   GARRICK'S METHOD, NAT. BUR. STAND., APPL. MATH. SER.
   18(1952), 165-174, MR:14-909 <107.0>
6 ON THE CONVERGENCE OF THEODORSEN'S AND GARRICK'S METHOD
   OF CONFORMAL MAPPING, NAT. BUR. STAND., APPL. MATH. SER.
   18(1952), 149-163, MR:14-909 <107.0>
7 GENERAL EXISTENCE CRITERIA FOR THE INVERSE OF AN
   OPERATOR, AMER. MATH. MONTHLY 74 (1967) 826-827

OULES, H.
1 RESOLUTION NUMERIQUE D'UNE EQUATION INTEGRALE SINGULIERE,
   , REV. FRANC. TRAITEMENT INFO. (CHIFFRES), 7(1964),
   117-124, MR:30-2697 <13.0>
2 SUR L'INTEGRATION NUMERIQUE DE L'EQUATION INTEGRALE DE
   VOLTERRA DE SECONDE ESPECE, C. R. ACAD. SCI., PARIS,
   250(1960), 1433-1435,, MR:22-4121 <13.0>
3 UNE METHODE DE RESOLUTION NUMERIQUE DE L'EQUATION
   INTEGRALE DU TYPE DE VOLTERRA, CHIFFRES 3(1960), 137-142,
   MR:23-B1132 <13.0>
4 UNE METHOD DE RESOLUTION NUMERIQUE DE L'EQUATION
   INTEGRO-DIFFERENTIELLE LINEAIRE DE VOLTERRA, C.R. ACAD.
   SCI. PARIS 250(1960), 3937-3939, MR:22-7263 <18.0>
5 RESOLUTION NUMERIQUE D'UNE EQUATION INTEGRALE SINGULIERE,
   C.R. ACAD. SCI. PARIS 253(1961), 1904-1905, MR:24-B1288
   <13.0>
6 SUR LA RESOLUTION NUMERIQUE DE L'EQUATION INTEGRALE DE
   VOLTERRA DE SECONDE EXPECE DE ESPECE, C.R. ACAD. SCI.
   PARIS 250(1960), 964-965, MR:22-B1096 <13.0>
7 RESOLUTION NUMERIQUE DES EQUATIONS
   INTEGRODIFFERENTIELLES LINEAIRES DE SECOND ORDRE A
   COEFFICIENTS CONSTANTS, C.R. ACAD. SCI. PARIS 251(1960),
   504-506, MR:22-7262 <18.0>

OVCINNIKOV, P.F.
1 EXTREMAL PROPERTIES OF EIGENVALUES OF INTEGRAL EQUATIONS
   WITH POSITIVE DEFINITE KERNEL AND WITH A NON-MONOTONIC
   DISTRIBUTION FUNCTION, UKRAIN. MAT. Z. 10(1958), NO. 2,
   147-159, MR:20-2591 <24.0>

PACCANONI, F.   (SEE - BASSETTO, A.)

PADMAVALLY, K.
1 ON A NONLINEAR INTEGRAL EQUATION, J. MATH. MECH. 7(1958),
   533-555, MR:21-2170 <12.5, 120.2>

PAGELS, H.
1 APPROXIMATE SOLUTION TO THE MULTICHANNEL N/D EQUATIONS,
   PHYS. REV. 140(1965), B1599-1604 <116.4>

PAGNAMENTA, A.
   1   SOLUTION OF THE KALLEN-PAULI EQUATION, J. MATH. PHYS.
         6(1965), 955-965, MR:31-6568 <116.8>
PAHYROV, Z.   (SEE - VED, JU.A.)
PAIS, A.   (SEE - JOST, R., KHURI, N.N.)
PALEY, R.E.A.C., WIENER, N.
   1   FOURIER TRANSFORMS IN THE COMPLEX DOMAIN, AMER. MATH.
         SOC. COLLOQUIUM PUBL. NO. 19(1934) <02.0, 62.1, 70.0>
PALMER, T.W.   (SEE - ANSELONE, P.M.)
PAL'MOV, V.A.
   1   THE CONTACT PROBLEM OF A PLATE ON AN ELASTIC FOUNDATION,
         P. M. M. 24(1960), 416-422, TRANSL. J. APPL. MATH. MECH.,
         609-618, MR:22-10323 <67.5, 103.7>
PALOCZ, I.
   1   THE INTEGRAL EQUATION APPROACH TO CURRENTS AND FIELDS IN
         PLANE PARALLEL TRANSMISSION LINES, J. MATH. MECH.
         15(1966), 541-559, MR:32-8684 <101.0>
PANFEROV, V.M.
   1   A GENERAL METHOD OF SOLUTION OF BOUNDARY PROBLEMS IN THE
         THEORY OF ELASTO-PLASTIC DEFORMATIONS FOR THE SIMPLE
         LOADINGS OF A. D. IL'YUSIN, VESTNIK MOSCOW UNIV. 2(1952),
         41-62, MR:17-918 <104.2>
   2   ON THE CONVERGENCE OF A METHOD OF ELASTIC SOLUTIONS FOR
         THE PROBLEM OF ELASTIC-PLASTIC BENDING OF A PLATE,
         PRIKL. MAT. MEKH. 16(1952), 195-212, MR:13-888 <104.2>
   3   ON THE CONVERGENCE OF THE METHOD OF ELASTIC SOLUTIONS IN
         THE THEORY OF ELASTIC-PLASTIC DEFORMATIONS OF SHELLS,
         AKAD. NAUK SSSR. PRIKL. MAT. MECH. 13(1949), 79-94,
         MR:10-654 <104.2>
PAPADOPOULOS, V.M.
   1   DIFFRACTION OF A PULSE BY A RESISTIVE HALF-PLANE -
         NORMAL INCIDENCE, PROC. ROY. SOC. A 225(1960), 538-549,
         MR:22-5362 <96.8>
PAPAS, C.H.   (SEE - ERDELYI, A.)
PAPOULIS, A.
   1   A NEW METHOD OF INVERSION OF THE LAPLACE TRANSFORM,
         QUART. APPL. MATH. 14(1957), 405-414, MR:18-602 <63.0>
   2   THE FOURIER INTEGRAL AND ITS APPLICATIONS, MC
         GRAW-HILL(1962) <02.0, 62.1>
PARASKA, V.I.
   1   ON THE ASYMPTOTICS OF EIGENVALUES AND SINGULAR NUMBERS
         OF LINEAR SMOOTHING OPERATORS, MAT. SB. 68(110) (1965),
         623-631, TRANSL. AMER. MATH. SOC. TRANSL. (2) 79, 87-95,
         MR:33-7892 <82.0>
PARIA, G.
   1   DIFFRACTION OF THERMOELASTIC WAVES BY A SEMI-INFINITE
         CUT DUE TO A MOVING HEAT SOURCE, J. LONDON MATH. SOC.
         37(1962), 42-52, MR:24-B2201 <71.0, 105.6>
   2   THE METHOD OF WIENER-HOPF IN ELASTIC PROBLEMS, BULL.
         CALCUTTA MATH. SOC. 49(1957), 37-42, MR:21-4606 <71.0,
         103.1>
PARIHAR, K.S.   (SEE - SRIVASTAV, R.P.)

PARKE, N.G.   (SEE - WILLIAMS, W.E.)
PARODI, M.
   1 SUR UN TYPE D'EQUATIONS INTEGRALES DE SECONDE ESPECE
         RESOLUBLES PAR LE CALCUL SYMBOLIQUE, J. MATH. PURES
         APPL. (9) 28(1949), 35-62, MR:10-715 <65.0>
   2 EQUATIONS INTEGRALES ET TRANSFORMATION DE LAPLACE, PUBL.
         SCI. TECH. MINISTERE DE L'AIR, PARIS, 242(1950),
         MR:12-505
   3 EQUATIONS INTEGRALES ET EQUATIONS DIE TYPE MATHIEU, J.
         MATH. PURES. APPL. (9) 37(1958), 45-54 - SEE ALSO C.R.
         ACAD. SCI. PARIS 243(1956), 1006-1007, MR:18-300,
         MR:20-6547 <87.0>
   4 SUR LA CONVERGENCE DE LA SERIE DE NEUMANN RELATIVE A UNE
         EQUATION DE FREDHOLM, C. R. ACAD. SCI. , PARIS,
         261(1965), 3516-3517, MR:32-4489 <20.0>
PARTER, S.V.
   1 ON THE EXTREME EIGENVALUES OF TOEPLITZ MATRICES, TRANS.
         AMER. MATH. SOC. 100(1961), 263-276, MR:25-2421 <82.0>
   2 A NOTE ON THE EIGENVALUE PROBLEM FOR SUBLINEAR
         HAMMERSTEIN OPERATORS, J. MATH. ANAL. APPL. 32(2421
         82.0)965).
PARTON, V.Z.   (SEE - KUDRIAVTJEV, B.A.)
PARVU, M.
   1 NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS, PROC.
         4TH AFIRO CONGRESS OF COMPUTING AND INFORMATION
         PROCESSING, VERSAILLES, FRANCE, APRIL 1964, DUNOD (1965),
         357-370, MR:32-6707 <40.1>
PAUL, H.S.
   1 LONGITUDINAL WAVE PROPAGATION IN AN INFINITE ISOTROPIC
         ELASTIC PLATE WITH A PENNY-SHAPED CRACK, PROC. CAMB.
         PHIL. SOC. 66(1959), 439-442 <105.8>
PAZY, A., RABINOWITZ, P.
   1 A NONLINEAR INTEGRAL EQUATION WITH APPLICATIONS TO
         NEUTRON TRANSPORT THEORY, ARCH. RATIONAL MECH. ANAL.
         32(1969), 226-246, MR:38-4934 <119.3>
PEARSON, C.E.
   1 ON THE FINITE STRIP PROBLEM, QUART. APPL. MATH. 15(1957),
         203-208, MR:20-212 <77.0>
PECKER, C.   (SEE - KOURGANOFF, V.)
PEKERIS, C.L.
   1 SOLUTION OF AN INTEGRAL EQUATION OCCURRING IN IMPULSIVE
         WAVE PROPAGATION PROBLEMS, PROC. NAT. ACAD. SCI. ,U. S.
         A. , 42(1956), 439-443, MR:17-1216 <101.0>
   2 SOLUTION OF THE BOLTZMANN-HILBERT INTEGRAL EQUATION,
         PROC. NAT. ACAD. SCI. ,U. S. A. , 41(1955), 661-669,
         MR:17-273 <119.2>
   3 NOTE ON THE SQUARE-INTEGRABILITY OF THE KERNEL OF THE
         LINEARIZED BOLTZMANN INTEGRAL EQUATION FOR RIGID SPHERE
         MOLECULES, PROC. NAT. ACAD. SCI. 49 (1963) 33-40,
         MR:27-4639 <119.2>

PEKERIS, C.L., ALTERMAN, Z.
  1 SOLUTION OF THE BOLTZMANN-HILBERT INTEGRAL EQUATION II -
       THE COEFFICIENTS OF VISCOSITY AND HEAT CONDUCTION, PROC.
       NAT. ACAD. SCI., U. S. A., 43(1957), 998-1007.
       MR:19-1206 <119.2>
PENNELL, M.M., DELVES, L.M.
  1 THE NUMERICAL SOLUTION OF COUPLED INTEGRO-DIFFERENTIAL
       EQUATIONS, MATH. COMP. 15(1961), 243-249, MR:23-B1133
       <57.0, 117.0>
PERCIVAL, I.C.
  1 A BOX VARIATIONAL METHOD FOR SCATTERING PHASES, PROC.
       PHYS. SOC. COMP. A70 (1957) 494-500 <48.5, 116.3>
  2 A VARIATIONAL PRINCIPLE FOR SCATTERING PHASES, PROC.
       PHYS. SOC. 76(1960), 206-216, MR:22-2354 <116.3>
PEREL'MAN, A.YA.
  1 SOLUTION OF INTEGRAL EQUATIONS OF THE FIRST KIND WITH A
       PRODUCT TYPE KERNEL, ZH. VYCIS MAT. MAT. FIZ. 7(1967),
       94-112, TRANSL. USSR COMP. MATH. AND MATH. PHYS.,
       MR:34-6460 <56.0>
PEREL'MAN, T.L.
  1 ASYMPTOTIC SOLUTIONS FOR A CLASS OF INTEGRAL EQUATIONS
       (RUSSIAN), DOKL. AKAD. NAUK BSSR 5(1961), 538-540,
       MR:24-A2816 <81.0>
  2 ON ASYMPTOTIC EXPANSIONS OF SOLUTIONS OF A CERTAIN CLASS
       OF INTEGRAL EQUATIONS, P. M. M. 25(1961), 1145-1147,
       TRANSL. J. APPL. MATH. MECH. 25 (1962) 1709-1714,
       MR:25-411 <81.0>
PERES, I.   (SEE - VOLTERRA, V.)
PERGAMENCEVA, E.O.   (SEE ALSO - LEBEDEV, N.N.)
  1 INTEGRAL EQUATIONS FOR LAME FUNCTIONS WITH PERIOD 8K IN
       CONNECTION WITH THE PROBLEM OF CONFORMAL MAPPING OF A
       SEMI-STRIP WITH SEMI-CIRCULAR CUT, USPEHI MAT. NAUK
       14(1959), NO. 1(85), 207-213 (RUSSIAN), MR:21-4260
       <87.0>
PEPINOVA, V.
  1 BRANCHING OF SOLUTION OF HOMOGENEOUS ALGEBRAIC INTEGRAL
       EQUATION, MATH. NACH. 36(1968), 171-180, MR:38-1488
       <28.2>
PERLMUTTER, M.   (SEE - SIEGEL, R.)
PERLMUTTER, M., SIEGEL, R.
  1 EFFECT OF SPECULARLY - REFLECTING GRAY SURFACES ON
       THERMAL RADIATION THROUGH A HEATED WALL, J. HEAT TRANSF.
       C85(1963), 55-62 <120.7>
  2 HEAT TRANSFER BY COMBINED FORCED CONVECTION AND THERMAL
       RADIATION IN A HEATED TUBE, TRANS. ASME 84C (J. HEAT
       TRANSFER) (1962), 301-311, AMR:16-3558 <120.7>
PERRY, C.L.   (SEE - ALBLOW, C.M.)
PETERS, A.S.   (SEE ALSO - NOBLE, B.)
  1 A NOTE ON THE INTEGRAL EQUATION OF THE FIRST KIND WITH A
       CAUCHY KERNEL, COMM. PURE APPL. MATH. 16(1963), 57-61,
       MR:26-5372 <78.0, 83.6>

2 CERTAIN DUAL INTEGRAL EQUATIONS AND SONINE'S INTEGRALS,
   N. Y. U. COURANT INST., REPT. NO. 285, AUG. (1961)
   <67.5>
3 SOME INTEGRAL EQUATIONS RELATED TO ABEL'S EQUATION AND
   THE HILBERT TRANSFORM, COMM. PURE APPL. MATH. 22(1969),
   539-560, MR:40-6202 <78.0>
4 ABEL'S EQUATION AND THE CAUCHY INTEGRAL EQUATION OF THE
   SECOND KIND, COMM. PURE APPL. MATH. 21(1968), 51-65,
   MR:36-6886 <78.0>
5 THE SOLUTION OF CERTAIN INTEGRAL EQUATIONS WITH KERNELS
   K(Z,S)/(Z-S), COMM. PURE. AND APPL. MATH. 18(1965),
   129-146, MR:35-2109 <78.0>
PETERS, A.S., STOKER, J.J.
1 THE MOTION OF A SHIP, AS A FLOATING RIGID BODY, IN A
   SEAWAY, COMM. PURE APPL. MATH. 10 (1957) 399-490,
   MR:19-703 <110.0>
PETROV, A.P.
1 ESTIMATES OF LINEAR FUNCTIONALS FOR THE SOLUTION OF
   CERTAIN INVERSE PROBLEMS, Z. VYCISL. MAT. I MAT. FIZ.
   7(1967) 648-654, TRANSL. U. S. S. R. COMP. MATH. AND
   MATH. PHYS.,241-249, MR:35-6358 <56.0>
2 ESTIMATION OF ACCURACY IN THE APPROXIMATE CALCULATION OF
   A EIGENVALUE BY THE METHOD OF GALERKIN, P. M. M.
   21(1957), 184-188 <54.0>
PETROVANU, D.
1 EGUATIONS HAMMERSTEIN INTEGRALES ET DISCRETES, ANN. MAT.
   PURA APPL. 74(1966), 227-254, MR:35-687 <26.0>
PETROVSKII, I.G.
1 INTEGRAL EQUATIONS , TRANSL. FROM THE SECOND RUSSIAN
   EDITION (1951), GRAYLOCK, 1957, MR:19-42 <01.0>
PETRY, W.
1 SYSTEME NICHTLINEARER INTEGRALGLEICHUNGEN MIT POSITIV
   DEFINITEN KERNEN, Z. A. M. M. 47(1967), 97-108,
   MR:36-1940 <26.0>
PETRYSHYN, W.V.
1 ON A GENERAL ITERATIVE METHOD FOR THE APPROXIMATION
   SOLUTION OF LINEAR OPERATOR EQUATIONS, MATH. COMP.
   17(1963), 1-10, MR:29-729 <49.1>
2 ON A CLASS OF K-P. D. AND NON-K-P. D. OPERATORS AND
   OPERATOR EQUATIONS, J. MATH. ANAL. APPL. 10 (1965) 1-24,
   MR:35-7141 <34.0>
3 SOME EXAMPLES CONCERNING THE DISTINCTIVE FEATURES OF
   BOUNDED LINEAR A-PROPER MAPPINGS AND FREDHOLM MAPPINGS,
   ARCH. RAT. MECH. ANAL. 33(1969), 331-338, MR:39-3331
   <34.0>
4 ON THE ITERATION, PROJECTION AND PROJECTION-ITERATION
   METHODS IN THE SOLUTION OF NONLINEAR FUNCTIONAL
   EQUATIONS, J. MATH. ANAL. APPL. 21(1968), 575-607,
   MR:36-4400 <44.0, 49.0>
5 ON THE EXTENSION AND THE SOLUTION OF NONLINEAR OPERATOR
   EQUATIONS, ILL. J. MATH. 10(1966), 255-274, MR:34-8242
   <34.0>

6 ON PROJECTIONAL-SOLVABILITY AND THE FREDHOLM ALTERNATIVE
   FOR EQUATIONS INVOLVING LINEAR A-PROPER OPERATORS. ARCH.
   RAT. MECH. ANAL. 30(1968),270-284. MR:37-6776 <34.0>
7 REMARKS ON THE APPROXIMATION-SOLVABILITY OF NONLINEAR
   FUNCTIONAL EQUATIONS. ARCH. RAT. MECH. ANAL. 26(1967),
   43-49. MR:36-3186 <34.0>
8 ON THE APPROXIMATION-SOLVABILITY OF NONLINEAR EQUATIONS.
   MATH. ANN. 177(1968), 156-164. MR:37-2048 <34.0>
9 ON THE GENERALIZED OVERRELAXATION METHOD FOR OPERATION
   EQUATIONS. PROC. AMER. MATH. SOC. 14(1963), 917-924.
   MR:29-6652 <49.0>
10 THE GENERALIZED OVERRELAXATION METHOD FOR THE
   APPROXIMATE SOLUTION OF OPERATOR EQUATIONS IN
   HILBERT-SPACE. J. SOC. INDUST. APPL. MATH. 10(1962),
   675-690. MR:29-3003 <49.0>
12 ON NONLINEAR P-COMPACT OPERATORS IN BANACH SPACE WITH
   APPLICATIONS TO CONSTRUCTIVE FIXED-POINT THEOREMS. J.
   MATH. ANAL. APPL. 15(1966), 228-242. MR:34-1890 <34.0>
13 ON THE EIGENVALUE PROBLEM TU - LAMBDA * SU = 0 WITH
   UNBOUNDED AND NONSYMMETRIC OPERATORS T AND S, PHILOS.
   TRANS. ROY. SOC. LONDON. SER. A MATH. PHYSICAL SCIENCES
   262(1968), 413-458. MR:36-5747 <54.0>

PHILIP, J.
1 RECONSTRUCTION FROM MEASUREMENTS OF POSITIVE QUANTITIES
   BY THE MAXIMUM - LIKELIHOOD METHOD. J. MATH. ANAL. AND
   APPL. 7(1963), 327-347. MR:28-5518 <56.0>

PHILIP, J., FARRELL, D.A.
1 GENERAL SOLUTION OF THE INFILTRATION ADVANCE PROBLEM IN
   IRRIGATION HYDRAULICS. J. GEOPHYSICAL RES. 69(1964),
   P.621. AMR:18-633 <64.0, 123.0>

PHILLIPS, H.B.
1 EFFECT OF SURFACE DISCONTINUITY ON THE DISTRIBUTION OF
   POTENTIAL. J. MATH. PHYS. 13(1934), 261-267 <90.0>

PHILLIPS, J.L.
1 COLLOCATION AS A PROJECTION METHOD FOR SOLVING INTEGRAL
   AND OTHER OPERATOR EQUATIONS. PH. D. THESIS. PURDUE
   UNIV., 1969 <44.0>

PHILLIPS, D.L.   (SEE ALSO - LANE, R.O.)
1 A TECHNIQUE FOR THE NUMERICAL SOLUTION OF CERTAIN
   INTEGRAL EQUATIONS OF THE FIRST KIND. J. ASSOC. COMP.
   MACH. 9(1962), 84-97. MR:24-B534 <56.2>

PICARD, E.
1 SUR L'APPLICATION DES METHODES D'APPROXIMATIONS
   SUCCESSIVES A L'ETUDE DE CERTAINES EQUATIONS
   DIFFERENTIELLES ORDINAIRE. J. DE MATH. (4), 9(1893),
   217-271 <07.0, 89.0>

PICONE, M.
1 UN METODO DI RISOLUZIONE NUMERICA DEI SISTEMI DI
   EQUAZIONI INTEGRALI LINEARI DI SECONDA SPECIE DI
   VOLTERRA. CELEBRAZIONI ARCHIMEDEE DEL SEC XX, (SIRACUSA
   (1961)) VOL. 2. EDZIONI ''ODERISI'' GUBBIO 1088(1962)
   27-31. MR:28-2416 <13.0>

2 SULL'EQUAZIONE INTEGRALE NONLINEARE DI VOLTERRA, ANN.
    MAT. PURA APPL. 49(1960), 1-10, MR:22-2867 <11.0>
3 NUOVE DETERMINAZIONI CONCERNENTI L'EQUAZIONE INTEGRALE
    NON LINEARE DI VOLTERRA, ANN. MAT. PURA APPL. 50(1960),
    97-113, MR:22-5858 <11.0>
4 SULLE EQUAZIONI INTEGRALI LINEARI DI SECONDA SPECIE DI
    VOLTERRA A NUCLEO DI TRASLAZIONE, J. MATH. PURES APPL.
    (9) , 41(1962), 63-96, MR:26-5379 <12.0>
5 SUR LES EQUATIONS INTEGRALES LINEAIRES DE DEUXIEME
    ESPECE DE VOLTERRA AVEC NOYAU DE TRANSLATION, C. R.
    ACAD. SCI., PARIS 250(1960), 46-48, MR:22-5857 <12.0>
6 SULL'EQUAZIONE INTEGRALE NON LINEARE DI SECONDA SPECIEDI
    FREDHOLM, MATH. ZEIT. 74(1960), 119-128, MR:22-9826
    <11.0>

PIERCE, L.   (SEE - SWALEN, J.D.)

PIMBLEY, G.H.
1 THE EIGENVALUE PROBLEM FOR SUBLINEAR HAMMERSTEIN
    OPERATORS WITH OSCILLATION KERNELS, J. MATH. MECH.
    12(1963), 577-597, MR:27-1792 <27.0>
2 TWO CONDITIONS PREVENTING SECONDARY BIFURCATION FOR
    EIGENFUNCTIONS OF SUBLINEAR HAMMERSTEIN OPERATORS, J.
    MATH. MECH. 18(1969), 787-803, MR:39-737 <27.0>
3 POSITIVE SOLUTIONS OF A QUADRATIC INTEGRAL EQUATION,
    ARCH. RAT. MECH. ANAL. 24(1967), 107-127, MR:34-4845
    <26.0>
4 CORRIGENDUM, IND. UNIV. MATH. J. 20(1970), 337-340,
    MR:41-8949 <27.0>
5 CORRIGENDUM ON: 'TWO CONDITIONS PREVENTING SECONDARY
    BIFURCATION OF EIGENFUNCTIONS OF SUBLINEAR HAMMERSTEIN
    OPERATORS', INDIANA UNIV. MATH. J. 20(1970/71), 337-340,
    MR:41-8949
6 A FIXED-POINT METHOD FOR EIGENFUNCTIONS OF SUBLINEAR
    HAMMERSTEIN OPERATORS, ARCH. RAT. MECH. ANAL.
    31(1968/69), 357-363, MR:38-6325 <27.0, 37.5>

PIMENOV, YU.V.
1 THE PLANE PROBLEM OF THE DIFFRACTION OF ELECTROMAGNETIC
    WAVES BY TWO IDEALLY CONDUCTING STRIPS OF FINITE WIDTH,
    LOCATED ONE BELOW THE OTHER, Z. TEHN. FIZ. 29(1959)
    711-715 TRANSL. SOLVIET PHYSICS. TECH. PHYS. 4,638-642,
    MR:22-2319 <96.2>

PINCUS, J.D.
1 ON THE SPECTRAL THEORY OF SINGULAR INTEGRAL OPERATORS,
    TRANS. AMER. MATH. SOC. 113(1964), 101-128, MR:29-15558
    <25.0>
2 THE SPECTRAL THEORY OF SELF-ADJOINT WIENER-HOPF
    OPERATORS, BULL. AMER. MATH. SOC. 72(1966), 882-887,
    MR:33-4722 <70.0>
3 SINGULAR INTEGRAL OPERATORS ON THE UNIT CIRCLE, BULL.
    AMER. MATH. SOC. 73(1967), 195-199, MR:34-6575 <25.0>
4 COMMUTATORS AND SYSTEMS OF SINGULAR INTEGRAL EQUATIONS
    I., ACTA. MATH. 121(1968), 219-249, MR:39-2026 <25.0>

5   COMMUTATORS, GENERALIZED EIGENFUNCTION EXPANSIONS AND
        SINGULAR INTEGRAL OPERATORS, TRANS. AMER. MATH. SOC.
        121(1966), 358-377, MR:32-6228   <25.0>
PINCUS, J.D., ROUNYAK, J.
    1   A SPECTRAL THEORY FOR UNBOUNDED SELF-ADJOINT SINGULAR
        INTEGRAL OPERATORS, AMER. J. MATH. 91(1969), 619-636,
        MR:40-3373   <78.0>
PINCUS, M.
    1   GAUSSIAN PROCESSES AND HAMMERSTEIN INTEGRAL EQUATIONS,
        TRANS. AMER. MATH. SOC. 134(1968), 193-214, MR:37-6994
        <26.0>
PING, I.   (SEE - WANG, A.)
PINNEY, E.
    1   AN INTEGRAL EQUATION OCCURRING IN POTENTIAL THEORY, ANN.
        OF MATH. (2), 47 (1946), 221-232, MR:7-451   <73.0, 91.0>
    2   A CLASS OF INTEGRAL EQUATIONS WHICH GENERALIZE ABEL'S
        EQUATION, BULL. AMER. MATH. SOC. 51(1945), 259-265,
        MR:6-270   <64.5>
    3   THE SCHWINGER VARIATION METHOD, J. SOC. INDUST. APPL.
        MATH. 12(1964), 873-885, MR:32-1521   <48.5>
PITT, H.R.
    1   ON A CLASS OF LINEAR INTEGRODIFFERENTIAL EQUATIONS,
        PROC. CAMB. PHIL. SOC. 43(1947), 153-163, MR:9-40   <65.0>
    2   ON A CLASS OF INTEGRODIFFERENTIAL EQUATIONS, PROC. CAMB.
        PHIL. SOC. 40(1944), 199-211, MR:6-273   <65.0>
PLACZEK, G.
    1   ON THE THEORY OF THE SLOWING DOWN OF NEUTRONS IN HEAVY
        SUBSTANCES, PHYS. REV. (2) 69(1946), 423-438, MR:8-30
        <119.0>
    2   THE ANGULAR DISTRIBUTION OF NEUTRONS EMERGING FROM A
        PLANE SURFACE, PHYS. REV. (2) 72(1947), 556-558,
        MR:9-147 <119.4>
PLACZEK, G., SEIDEL, W.
    1   MILNE'S PROBLEM IN TRANSPORT THEORY, PHYS. REV. (2),
        72(1947), 550-555, MR:9-147   <71.0, 119.4>
PLANCHARD, J.
    1   SUR L'APPROXIMATION DES VALEURS PROPRES ET VECTEURS
        PROPRES DES OPERATEURS HERMITIENS COMPACTS, E. D. F.
        BULL DE LA DIRECTION DES ETUDES ET RECHERCHES, SERIE C,
        MATH. INFORM. 1(1968), 5-30   <54.0>
PLEIJEL, A.
    1   PROPRIETES ASYMPTOTIQUES DES FONCTIONS FONDAMENTALES DU
        PROBLEME DES VIBRATIONS DANS UN CORPS ELASTIQUE, ARK.
        MAT., ASTR. FYS. 26, 19(1939), 9PP., MR:1-56   <92.0,
        105.0>
POGORZELSKI, W.
    1   INTEGRAL EQUATIONS AND THEIR APPLICATIONS. VOL. I. -
        GENERAL PROPERTIES OF THE FREDHOLM AND VOLTERRA
        EQUATIONS, WARSAW, 1953, ENGLISH TRANSL. - PERGAMON,
        (1966), MR:16-46,MR:34-1811   <01.0>

2   INTEGRAL EQUATIONS AND THEIR APPLICATIONS, VOL. 2.
     SYSTEMS OF INTEGRAL EQUATIONS - NONLINEAR INTEGRAL
     EQUATIONS - APPLICATIONS TO THE THEORY OF DIFFERENTIAL
     EQUATIONS, WARSAW, 1958, MR:20-313 <01.0>
3   INTEGRAL EQUATIONS AND THEIR APPLICATIONS - VOL. 3 -
     PROPERTIES OF INTEGRALS OF CAUCHY TYPE. BOUNDARY-VALUE
     PROBLEMS IN THE THEORY OF ANALYTIC FUNCTIONS. STRONGLY
     SINGULAR LINEAR AND NON-LINEAR INTEGRAL EQUATIONS,
     WARSAW, 1960, MR:28-2415 <01.0, 25.0, 73.0>
4   SUR LA SOLUTION DE L'EQUATION INTEGRALE DANS LE PROBLEME
     DE FOURIER, ANN. SOC. POLON. MATH. 24(1951), 56-74,
     MR:14-180 <120.0>
5   PROBLEME DU MOUVEMENT STATIONNAIRE DANS UNE COUCHE
     GAZEUSE RAYONNANTE, ANN. POLON. MATH. 1(1955), 367-379,
     MR:17-674 <119.0>
7   SUR L'EQUATION INTEGRALE NON LINEAIRE DE SECONDE ESPECE
     A FORTE SINGULARITE, ANN. POLON. MATH. 1(1954), 138-148,
     MR:16-261 <28.3>
8   SUR L'EQUATION INTEGRALE SINGULIERE NON LINEAIRE ET SUR
     LES PROPRIETES D'UNE INTEGRALE SINGULIERE POUR LES ARCS
     NON FERMES, J. MATH. MECH. 7(1958), 515-532, SEE ALSO
     IBID. 8(1959), 159-160, MR:20-4753 <28.3>
9   SUR L'EQUATION INTEGRO-DIFFERENTIELLE NON-LINEARE A
     SINGULARITE POLAIRE, ANN. SOC. POLON. MATH. 24(1952),
     75-87, MR:14-181 <28.3>

POHOZAEV, S.
1   THE DIRICHLET PROBLEM FOR DELTA U = U**2, DOKL. AKAD.
     NAUK SSSR 134(1960) 769-772, TRANSL. SOVIET MATH. DOKL.
     1(1961), 1143-1146, MR:23-A1922
2   ON THE BOUNDARY VALUE PROBLEM DELTA U = U**2, DOKL.
     AKAD. NAUK SSSR 138(1961) 305-308, TRANSL. SOVIET MATH.
     2, 3(1961), 609-, MR:23-A3356
3   ANALOGUE OF SCHMIDT'S METHOD FOR NONLINEAR EQUATIONS,
     DOKL. AKAD. NAUK SSSR 136(1961), 546-548, TRANSL. SOVIET
     MATH. 2(1961), 103-105, MR:22-5859 <28.0>

POKORNYI, V.
1   TWO ANALYTIC METHODS IN THE THEORY OF SMALL SOLUTIONS OF
     NONLINEAR INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR
     133(1960), 1027-1030, TRANSL. SOVIET MATH DOKL. 1(1961),
     939-942, MR:24-A406 <27.0>

POLI, L.
1   SUR LES EQUATIONS INTEGRALES DONT LE NOYAU EST UNE
     FONCTION K SUB N DE BESSEL, ANN. SOC. SCI. BRUXELLES.
     SER. I. 61(1947), 191-198, MR:9-283 <65.0>
2   EQUATIONS INTEGRALES DONT LE NOYAU EST UNE FONCTION DE
     BESSEL, BULL. INST. POLITECH. IASI 4(1949), 137-142,
     MR:20-2594 <65.0>

POLKINGHORNE, J.C.   (SEE - EDEN, R.J.)

POLLACZEK, F.
1   CONCERNING AN ANALYTIC METHOD FOR THE TREATMENT OF
     QUEUEING PROBLEMS, IN SYMPOSIUM ON CONGESTION THEORY,
     UNIV. OF N. CAROLINA PRESS (1965), MR:32-6572 <74.9,
     122.0>

2   APPLICATION D'OPERATEURS INTEGRO-COMBINATOIRES DANS LA
      THEORIE DES INTEGRALES MULTIPLES DE DIRICHLET. ANN.
      INST. H. POINCARE 11(1949), 113-133, MR:11-660   <74.9,
      122.0>
3   RESOLUTION DE CERTAINES EQUATIONS INTEGRALES LINEARES DE
      DEUXIEME ESPECE. J. MATH. PURES APPL. 24 (1945) 73-93,
      MR:7-451   <74.9, 122.0>
4   APPLICATION DE LA THEORIE DES PROBABILITES A DES
      PROBLEMES POSES PAR L'ENCOMBREMENT DES RESEAUX
      TELEPHONIQUES, ANN. TELECOMM. 14 (1959) 165-183,
      MR:22-255   <74.9, 122.0>
5   REDUCTION DE DIFFERENTS PROBLEMES CONCERNANT LA
      PROBABILITE D'ATTENTE AU TELEPHONE . A LA RESOLUTION
      D'SYSTEMES D'EQUATIONS INTEGRALES, ANN. INST. H.
      POINCARE 11 (1949) 135-173, MR:11-672   <74.9, 122.0>
POLLAK, H.O.   (SEE ALSO - LANDAU, H.J., SLEPIAN, D.)
1   ENERGY DISTRIBUTION OF BAND-LIMITED FUNCTIONS WHOSE
      SAMPLES ON HALF-LINES VANISH, J. MATH. ANAL. APPL. 2
      (1961) 299-332 <124.0>
POLLARD, H.   (SEE ALSO - KAC, M.)
1   NOTE ON THE KERNEL EXP (-1X-Y1), QUART. APPL. MATH. 7
      (1950) 473, MR:11-366   <76.0>
2   ON STIELTJES: INTEGRAL EQUATION, ANN. OF MATH. (2)
      46(1945), 83-87, MR:6-127   <79.0>
POLOZII, G.N.
1   A METHOD OF SOLVING INTEGRAL EQUATIONS, DOKL. AKAD. NAUK
      SSSR 118 (1958) 876-878, MR:20-4160   <49.1>
POLOZII, G.N., CALENKO, P.I.
1   THE STRIP METHOD OF SOLVING INTEGRAL EQUATIONS, DOPOVIDI
      AKAD. NAUK UKRAIN. RSR (1962) 427-431, MR:28-5575   <43.0>
POLSKII, N.I.
1   PROJECTIVE METHODS IN APPLIED MATHEMATICS (RUSSIAN),
      DOKL. AKAD. NAUK SSSR 143 (1962) 787-790 TRANSL. SOVIET
      MATH. 3 NO.2 (1962) 488-491, MR:26-3173   <44.0>
PONCIN, H.
1   ETUDE D'UNE EQUATION INTEGRALE DE L'HYDRODYNAMIQUE DU
      FLUIDE VISQUEUX (ECOULEMENT LAMINAIRE EN REGIME
      VARIABLE), J. MATH. PURES APPL. (9) 19 (1940) 163-195,
      MR:3-48 <113.0>
PONTER, A.R.S.   (SEE ALSO - JASWON, M.A.)
1   AN INTEGRAL EQUATION SOLUTION OF THE INHOMOGENEOUS
      TORSION PROBLEM, J. SIAM APPL. MATH. 14 (1966) 819-830,
      MR:21-93   <94.7>
2   INTEGRAL EQUATION SOLUTIONS TO ELASTIC AND PLASTIC
      TORSION PROBLEMS, THESIS UNIV. OF LONDON (1964)   <94.7>
POPOV, G.JA.
1   PLANE CONTACT PROBLEMS OF THE THEORY OF ELASTICITY WITH
      BONDING OR FRICTIONAL FORCES, PMM 30(1966) 551-563,
      TRANSL. J. APPL. MATH. MECH. 30 (1967) 653-667, MR:21-96
      <103.8>

2   SOME PROPERTIES OF CLASSICAL POLYNOMIALS AND THEIR
        APPLICATION TO CONTACT PROBLEMS, PMM 27 (1963) 821-832,
        TRANSL. J. APPL. MATH. MECH., 1255-1271, MR:28-3576
        <103.6>
3   APPLICATION OF THE JACOBI POLYNOMIALS TO THE SOLUTION OF
        INTEGRAL EQUATIONS, IZV. VYSS. UCEBN. ZAVED. MATEMATIKA
        (1966) NO. 4 (53) 77-85, MR:33-7809 <103.6>
4   ON AN INTEGRAL EQUATION (RUSSIAN), IZV. VYSS. UCEBN.
        ZAVED. MATHEMATIKA NO. 4 (23) (1961) 99-103, MR:25-5355
        <71.0>
5   ON AN INTEGRO-DIFFERENTIAL EQUATION, UKRAIN. MAT. Z. 12
        (1960) 46-54, MR:26-566 <71.0>
6   APPROXIMATE METHOD OF SOLVING THE INTEGRAL EQUATION FOR
        THE DIFFRACTION OF ELECTROMAGNETIC WAVES BY A BAND OF
        FINITE WIDTH, Z. TEHN. FIZ. 35 (1965) 381-389 (RUSSIAN),
        TRANSL. SOVIET PHYSICS TECH. PHYS. 10 (1965) 305-309,
        MR:32-5020 <96.2>
7   ON THE SOLUTION OF CONTACT(MIXED) PROBLEMS OF ELASTICITY
        THEORY FOR AN INFINITELY LONG CIRCULAR CYLINDER, IZV.
        AKAD. NAUK. ARMJAN. SSR SER. FIZ. MAT. NANK. 17(1964),
        NO. 4, 51-62, MR:30-758 <103.9>
8   IMPRESSION OF A PUNCH ON A LINEARLY-DEFORMING FOUNDATION
        TAKING INTO ACCOUNT FRICTION FORCES, PMM 31(1967),
        337-343, TRANSL. J. APPL. MATH. MECH. 31(1967), 360-367,
        AMR:21-5042 <103.8>
9   ON A METHOD OF SOLUTION OF THE AXISYMMETRIC CONTACT
        PROBLEMS OF THE THEORY OF ELASTICITY, PMM 25(1961),
        76-85, TRANSL. J. APPL. MATH. MECH. 25(1961), 105-118,
        MR:27-3124 <103.6>
10   CERTAIN PROPERTIES OF CLASSICAL POLYNOMIALS AND THEIR
        APPLICATION IN CONTACT PROBLEMS, PMM 28(1964), 442-451,
        TRANSL. J. APPL. MATH. MECH. 28(1964), 544-555,
        MR:31-3647 <103.6>
11   A CERTAIN REMARKABLE PROPERTY OF JACOBI POLYNOMIALS,
        UKRAIN. MAT. Z. 20(1968), 540-547, MR:38-6132 <77.0>
12   ON THE METHOD OF ORTHOGONAL POLYNOMIALS IN CONTACT
        PROBLEMS OF THE THEORY OF ELASTICITY, PRIKL. MAT. MEH.
        33(1969), 518-531, TRANSL. J. APPL. MATH. MECH. 33(1969),
        503-517, MR:41-4171 <79.0, 103.6>
POPOVICI, C.
    1   SUR LES EQUATIONS INTEGRO-FONCTIONNELLES, ALTI. ACCAD.
        NAZ. LINCEI RAND CL. SCI. FIS. MAT. NAT. 11 (1930) 47-54
    2   INTEGRATION DES EQUATIONS DIFFERENTIO-FONCTIONNELLES,
        MATHEMATICA, CLUJ. 13 (1937) 202-211
PORATH, G.
    1   STORUNGSRECHNUNG FUR LINEARE VOLTERRASCHE
        INTEGRALGLEICHUNGEN, MATH. NACHR. 37 (1968) 63-98,
        MR:37-5630 <10.0>
PORTEUS, J.O.
    1   OPTIMIZED METHOD FOR CORRECTING SMEARING
        ABERRATIONS:COMPLEX X-RAY SPECTRA, J. APPL. PHYSICS 33
        (1962) 700-707 <56.0>

PORUCHIKOV, V.B.
1   IMPACT OF A DISK ON THE SURFACE OF AN IDEAL COMPRESSIBLE
       FLUID, P.M.M. 28 (1964) 797-800 TRANSL. APPL. MATH. AND
       MECH. 970-974 <112.5>
POSCHL, K.
1   UBER EINE SPEZIELLE INTEGRALGLEICHUNG, Z. ANGEW. MATH.
       MECH. 36 (1956) 161-167, MR:8-49 <21.8, 124.0>
POUZET, P.
1   METHODE D'INTEGRATION NUMERIQUE DES EQUATIONS INTEGRALES
       ET INTEGRODIFFERENTIELLES DU TYPE DE VOLTERRA DE SECONDE
       ESPECE. FORMULES DE RUNGE-KUTTA, ROME SYMP. ON DIFF. AND
       INT. EQUNS. BIRKHAUSER VERLAG (1960) 362-368, MR:23-8601
       <13.0, 18.0>
2   ETUDE EN VUE DE LEUR TRAITEMENT NUMERIQUE DES EQUATIONS
       INTEGRALES DE TYPE VOLTERRA, REV. FRANC. TRAITEMENT
       INFORMATION CHIFFRES 6 (1963) 79-112, MR:27-2132 <18.0>
3   VOLTERRA EQUATIONS, PROC. 4TH AFIRO CONGRESS OF
       COMPUTING AND INFORMATION PROCESSING, VERSAILLES FRANCE
       (APRIL, 1964) 343-348 (DUNOD 1965), MR:31-5356 <13.0>
4   EVALUATION DES ERREURS DE TRONCATURE POUR LES FORMULES
       DE RUNGE-KUTTA RELATIVES AU TRAITEMENT NUMERIQUE DES
       EQUATIONS INTEGRALES DE TYPE VOLTERRA, COMPTES RENDUS
       ACAD. SCI. PARIS 252 (1961) 1901-1903, MR:23-8134
       <13.0>
5   METHODE D'INTEGRATION NUMERIQUE DE L'EQUATION INTEGRALE
       DE VOLTERRA DE SECONDE ESPECE, C.R. ACAD. SCI. PARIS
       250(1960), 3101-3102, MR:22-7260 <13.0>
6   INTEGRATION NUMERIQUE DES EQUATIONS
       INTEGRODIFFERENTIELLES DU TYPE VOLTERRA, C.R. ACAD. SCI.
       PARIS 250(1960), 3269-3270, MR:22-7261 <18.0>
POUZET, P., RROUDISCOU, C.
1   TRAITEMENT NUMERIQUE DES EQUATIONS INTEGRALES LINEAIRES
       DE FREDHOLM A RESOLVANTE PARTIELLE CONTINUE, C.R. ACAD.
       SCI. PARIS SER. A-B 268(1969), A1279-A1282, MR:39-5079
       <59.6>
POVOLOCKII, A.I.   (SEE ALSO - KRASNOSEL'SKII, M.A.,
                             ZABREIKO, P.P.)
1   NON-LOCAL EXISTENCE THEOREMS FOR SOLUTIONS OF SYSTEMS OF
       NON-LINEAR INTEGRAL EQUATIONS, DOKLADY AKAD. NAUK. 99
       (1954) 901-904, MR:17-498 <26.0, 37.5>
POVZNER, A.JA.
1   THE BOLTZMANN EQUATION IN THE KINETIC THEORY OF GASES,
       MAT. SB. (N.S.) 58 (100) (1962) 65-96 TRANSL. IN AMER.
       MATH. SOC. TRANSL. (2) 47, 193-216, MR:25-5755 <119.2>
POVZNER, A.JA., SUHAREVSKII, I.V.
1   INTEGRAL EQUATIONS OF THE SECOND KIND IN PROBLEMS OF
       DIFFRACTION BY AN INFINITELY THIN SCREEN, DOKL. AKAD.
       NAUK SSSR 127(1959), 291-294, TRANSL. SOVIET PHYSICS
       DOKL. 4(1960), 798-801, MR:22-1325 <96.0>
PRABHAKAR, T.R.
1   TWO SINGULAR INTEGRAL EQUATIONS INVOLVING CONFLUENT
       HYPERGEOMETRIC FUNCTIONS, PROC. CAMB. PHIL. SOC. 66
       (1969) 71-89, MR:39-3267 <64.5>

PRABHU, N.U.   (SEE ALSO - GANI, J.)
    1   ELEMENTARY METHODS FOR SOME WAITING TIME PROBLEMS,
          OPERATIONS RES. 10 (1962) 559-566, MR:26-A45 <122.0>
    2   QUEUES AND INVENTORIES, WILEY (1965) <122.0>
    3   ON THE INTEGRAL EQUATION FOR THE FINITE DAM, QUART. J.
          MATH. (OXFORD) 9 (1958) 183-188, MR:20-6164 <122.0>
PRAGER, W.
    1   DIE DRUCKVERTEILUNG AN KORPERN IN EBENER
          POTENTIALSTROMUNG, PHYS. ZEITS. 29 (1928) 865-869 <111.0>
    2   ZUR BERECHNUNG VON SCHWINGUNGEN VON TRAGWERKEN, DER
          BAUINGENIEUR 50 (1927) 923-925 <115.0>
PRAPORGESCU, N.
    1   SUR UNE CLASSE D'EQUATIONS INTEGRALES, ACAD. R. P.
          ROMINE. BUL. STI. SECT. STI. MAT. FIZ. 8 (1956) 549-616,
          MR:18-808 <14.6>
PREISENDORFER, R.W.
    1   A MATHEMATICAL FOUNDATION FOR RADIATIVE TRANSFER THEORY,
          J. MATH. MECH. 6 (1957) 685-730, MR:20-5038 <119.0>
    2   INVARIANT IMBEDDING RELATION FOR THE PRINCIPLES OF
          INVARIANCE, PROC. NAT. ACAD. SCI. USA VOL. 44 (1958)
          320-323, MR:20-3023 <119.7>
    3   TIME-DEPENDENT PRINCIPLES OF INVARIANCE, PROC. NAT.
          ACAD. SCI. USA 44 (1958) 329-332, MR:20-3024 <119.7>
PRESTRUD, M.C.   (SEE - BELLMAN, R.)
PRIDMORE-BROWN, D.S.
    1   A WIENER-HOPF SOLUTION OF A RADIATION PROBLEM IN CONICAL
          GEOMETRY, J. MATH. PHYS. 47 (1968) 79-94 <71.0, 101.0>
PRILEPKO, A.I.
    1   ON THE INVERSE PROBLEM FOR THE METAHARMONIC POTENTIAL,
          DOKL. AKAD. NAUK SSSR 154 (1964) 534-537, MR:28-5192
          <90.8>
PROKOPOV, V.K.
    1   ON THE RELATION OF THE GENERALIZED ORTHOGONALITY OF P.
          F. PAPKOVICH FOR RECTANGULAR PLATES, P. M. M. 28(1964),
          351-355, TRANSL. J. APPL. MATH. MECH., 428-433,
          MR:31-2879 <104.6>
PROSPERI, G.M.   (SEE - LANZ, L.)
PROSSDORF, S.
    1   UBER EINE KLASSE SINGULARER INTEGRALGLEICHUNGEN NICHT
          NORMALEN TYPUS, MATH. ANN. 183 (1969) 130-150 <25.0>
    2   ZUR THEORIE DER FALTUNGSGLEICHUNGEN NICHT NORMALEN TYPS,
          MATH. NACHR. 42(1969), 103-131, MR:41-2327 <70.0>
    3   UBER EINE KLASSE SINGULARER INTEGRALGLEICHUNGEN NICHT
          NORMALEN TYPS, MATH. ANN. 183(1969), 130-150, MR:40-3217
          <78.0>
PROVENCHER, S.W.
    1   NUMERICAL SOLUTION OF LINEAR INTEGRAL EQUATIONS OF THE
          FIRST KIND. CALCULATION OF MOLECULAR WEIGHT
          DISTRIBUTIONS FROM SEDIMENTATION EQUILIBRIUM DATA, J.
          CHEM. PHYS. 46 (1967) 3229-3236, MR:35-2512 <56.0>
PRZEWORSKA-ROLEWICZ, D.
    1   EQUATIONS AVEC OPERATIONS ALGEBRIQUES, STUDIA MATH.
          22(1963) 337-367, MR:27-550 <25.0>

2   SUR LES EQUATIONS AVEC OPERATIONS PRESQUE ALGEBRIQUES,
    STUDIA MATH. 25 (1964/65) 163-180, MR:31-575 <25.0>
3   SUR LES SYSTEMES D'EQUATIONS INTEGRALES SINGULIERES POUR
    DES LIGNES FERMEES, STUDIA MATH. 18 (1959) 247-268,
    MR:22-2868 <28.3>
4   SUR UN SYSTEME D'EQUATIONS INTEGRALES NON-LINEAIRES DE
    SECONDE ESPECE A UNE INFINITE DE FONCTIONS INCONNUES A
    SINGULARITE, BULL. ACAD. POLON. SCI. CL. III. 5(1957),
    467-470, MR:19-559 <28.3>
5   SUR L'APPLICATION DE LA METHODE DES APPROXIMATIONS
    SUCCESSIVES A UNE EQUATION INTEGRALE A FORTE SINGULARITE,
    ANN. POLON. MATH. 6(1959), 161-170, MR:21-5875 <28.3>
6   SUR LES EQUATIONS INTEGRALES SINGULIERES DANS L'ESPACE
    RESOLUBLES PAR LA METHODE DES APPROXIMATIONS SUCCESSIVES,
    ANN. POLON. MATH. 12(1962/63), 289-299, MR:26-4136
    <28.3>
7   ETUDE DES SYSTEMES D'EQUATION INTEGRALES SINGULIERES
    POUR LES ARCS NON FERMES PAR LA METHODE DES
    APPROXIMATIONS SUCCESSIVES. BULL. ACAD. POLON. SCI. SER.
    SCI. MATH. ASTR. PHYS. 6(1958), 697-703, MR:21-797
    <28.3>

PTAK, V.
1   ERROR ESTIMATES OF APPROXIMATE SOLUTIONS OF INTEGRAL
    EQUATIONS, CASOPIS. PEST. MAT. 80 (1955) 427-447,
    MR:19-687 <46.0>

PUCCI, C.
1   AN INTEGRODIFFERENTIAL EQUATION, SYMPOSIUM ON THE
    NUMERICAL TREATMENT OF ORDINARY DIFFERENTIAL EQUATIONS,
    INTEGRAL AND INTEGRO-DIFFERENTIAL EQUATIONS (ROME, 1960)
    508-612 BIRKHAUSER, BASEL (1960), MR:23-A492 <17.0>

PUGACEV, V.S.
1   A METHOD FOR THE DETERMINATION OF THE EIGENVALUES AND
    EIGENFUNCTIONS OF A CERTAIN CLASS OF LINEAR INTEGRAL
    EQUATIONS, PMM 23 (1959) 527-533, TRANSL. J. APPL. MATH.
    MECH. 745-753, MR:23-A3433 <56.0>
2   A METHOD OF SOLVING THE BASIC INTEGRAL EQUATION OF
    STATISTICAL THEORY OF OPTIMUM SYSTEMS IN FINITE FORMS,
    PMM 23 (1959) 3-14 TRANSL. J. APPL. MATH. MECH. 1-16,
    MR:23-B1611 <56.0>

PUPYREV, V.A., UFLIAND, IA.S.
1   CERTAIN CONTACT PROBLEMS FOR AN ELASTIC LAYER, PMM
    24(1960), 683-690, TRANSL. IN J. APPL. MATH. MECH.
    1015-1026 <103.7>

PUTNAM, C.P.
1   WIENER-HOPF OPERATORS AND ABSOLUTELY CONTINUOUS SPECTRA.
    II., BULL. AMER. MATH. SOC. 74 (1968) 340-343,
    MR:37-5735 <70.0>
2   PERTURBATIONS OF BOUNDED OPERATORS, ARCHIEF VOOR
    WISKUNDE (3) 15 (1967) 146-152, MR:35-7167 <54.0>
3   A NOTE ON PERTURBATIONS OF BOUNDED OPERATORS, NIEUW.
    ARCH. WIOX. 16(1968), 167-171, MR:39-818 <54.0>

4   WIENER-HOPF OPERATORS AND ABSOLUTELY CONTINUOUS SPECTRA,
     BULL. AMER. MATH. SOC. 73(1967), 659-662, MR:35-3492
     <70.0>

PYKHTEEV, G.N.
1   ON THE EVALUATION OF CERTAIN SINGULAR INTEGRALS WITH A
     KERNEL OF THE CAUCHY TYPE, P.M.M. 23 (1959) 1074-1082
     TRANSL. J. APPL. MATH. MECH. 1536-1548, MR:22-12698
     <78.0>
2   ON THE EVALUATION OF CERTAIN INTEGRALS WITH SINGULAR
     KERNELS OF THE CAUCHY TYPE, P.M.M. 24 (1960) 1114-1122
     TRANSL. IN J. APPL. MATH. MECH. 1690-1702
3   SOLUTION OF A MIXED BOUNDARY-VALUE PROBLEM INVOLVING A
     SHIFT, AND INVERSION FORMULAE FOR CERTAIN SINGULAR
     INTEGRAL EQUATIONS OF THE FIRST KIND, SIBIRSK. MAT. Z.
     4(1963), 845-861, MR:29-2403 <74.5, 78.0>
4   AN EXACT METHOD FOR EVALUATING CERTAIN INTEGRALS WITH A
     CAUCHY KERNEL, DOKL. AKAD. NAUK SSSR 140(1961), 536-539,
     MR:24-A1575 <78.0>

QUILGHINI, D.
1   SUL PROBLEMA INVERSO DI QUELLO DI STEFAN, REV. MAT.
     UNIV. PARMA, 8(1967), 131-142, MR:40-3250 <120.5>

RABINOWITZ, P.   (SEE - CRANDALL, M.G., DAVIS, P.,
                          PAZY, A.)

RADLOW, J.   (SEE ALSO - KRANZER, H.C.)
1   A TWO-DIMENSIONAL SINGULAR INTEGRAL EQUATION OF
     DIFFRACTION THEORY, BULL. AMER. MATH. SOC. 70 (1964)
     596-599, MR:32-1527 <70.9, 96.7>
2   DIFFRACTION BY A QUARTER-PLANE, ARCH. RAT. MECH. AND
     ANAL. 8 (1961) 139-158 <70.9, 96.0>
3   DIFFRACTION BY A RIGHT-ANGLED DIELECTRIC WEDGE, INTERN.
     J. ENGRG. SCI. 2(1964), 275-290, MR:29-3121 <70.9,
     96.7>

RADLOW, J., CHEN, Y.M.
1   TIME DECAY IN PLANE PULSE DIFFRACTION BY A SMOOTH CONVEX
     CYLINDER, INT. J. ENG. SCI. 3 (1965) 429-439, MR:32-8651
     <95.0>

RADOK, J.R.M., HELLER, A.
1   DIE EXAKTE LOSUNG DER INTEGRALGLEICHUNGEN GEWISSER
     SCHWINGUNGSPROBLEME, Z. ANGEW. MATH. PHYSIK. 5 (1954)
     50-66, MR:15-630 <79.0, 115.0>

RADON, I.
1   UBER DIE RANDWERTAUFGABEN BEIM LOGARITHMISCHEN POTENTIAL,
     SITZBER. AKAD. WISS. WIEN. 128 (1919) 1123-1167 <90.7>

RAGAB, F.M.
1   E-TRANSFORMS, J. RES. NAT. BUR. STANDARDS SECT. B71B
     (1967) 23-37, MR:36-622 <62.0>

RASIMHANOV, R.K.
1   ON THE QUESTION OF INTEGRAL INEQUALITIES FOR A FREDHOLM
     EQUATION WHOSE RIGHT SIDE IS A DISCONTINUOUS OPERATOR,
     DIFFERENCIAL'NYE URAVNENIJA 4(1968), 681-692, MR:38-1489
     <28.0>

PAKOVSHCHIK, L.S.

1 APPROXIMATE SOLUTION OF EQUATIONS WITH NORMALLY
RESOLVABLE OPERATORS, Z. VYCISL. MAT. I MAT. FIZ.
6(1966), 3-11, TRANSL. USSR COMP. MATH. AMD MATH. PHYS.
1-13, MR:34-8629 <44.0>

2 INTEGRAL EQUATIONS WITH ALMOST DIFFERENCE KERNELS, DOKL.
AKAD. NAUK. SSSR 133 (1960) 752-755 TRANSL. SOVIET MATH.
DOKL. 1 906-J09, MR:22-2864 <25.0, 65.0, 77.0>

3 ON THE THEORY OF INTEGRAL EQUATIONS OF CONVOLUTION TYPE,
USPEHI. MAT. NANK. 18(1963), NO. 4, (112) 171-178,
MR:29-2616 <25.0>

4 SYSTEMS OF INTEGRAL EQUATIONS WITH ALMOST DIFFERENCE
OPERATORS, SIBIRSK. MAT. Z. 3(1962), 250-255, MR:25-2401
<25.0, 77.0>

5 INTEGRAL EQUATIONS WITH ALMOST DIFFERENCE KERNELS,
VESTNIK LENINGRAD UNIV. 16(1961), NO. 13, 52-72,
MR:25-2453 <25.0, 65.0, 77.0>

6 NOETHER:S THEOREMS FOR A CERTAIN CLASS OF INTEGRAL
EQUATIONS, SIBIRSK. MAT. Z. 9(1968), 348-353, MR:37-5737
<25.0>

7 APPLICATION OF PROJECTION METHODS TO EQUATIONS WITH
NORMALLY-SOLVABLE OPERATORS, LENINGRAD INZ. EKONOM.
INST. TRUDY. VYP. 63(1966), 78-81, MR:35-6360 <44.0>

8 ON AN INTEGRAL EQUATION OF CONVOLUTION TYPE, SIBIRSK.
MAT. Z. 6(1965), 186-198, MR:34-4846 <65.0>

9 ON CALCULATING THE INDEX OF A SYSTEM OF ALMOST
DIFFERENCE INTEGRAL EQUATIONS, SIBIRSK. MAT. Z. 5(1964),
904-909, MR:29-3845 <25.0, 65.0, 77.0>

PALL, L.B.   (SEE ALSO - ANSELONE, P.M.)

1 AN APPLICATION OF NEWTON'S METHOD TO THE SOLUTION OF A
NONLINEAR INTEGRAL EQUATION, 7 (1955)

2 ERROR BOUNDS FOR ITERATIVE SOLUTIONS OF FREDHOLM
INTEGRAL EQUATIONS, PAC. J. MATH. 5 (1955) 977-986,
MR:18-72 <49.1>

3 NEWTON'S METHOD FOR THE CHARACTERISTIC VALUE PROBLEM, J.
SOC. IND. APPL. MATH. 9 (1961) 288-293, MR:23-B1110
<54.0>

4 QUADRATIC EQUATIONS IN BANACH SPACES, REND. CIRC. MAT.
PALERMO (2) 10 (1961) 314-332, MR:26-1731 <28.0>

5 VARIATIONAL METHODS FOR NONLINEAR INTEGRAL EQUATIONS,
NONLINEAR INTEGRAL EQUATIONS. UNIV. WISCONSIN PRESS,
MADISON, WIS. (1964) 155-189, MR:29-3912 <26.0, 28.0>

6 NUMERICAL INTEGRATION AND THE SOLUTION OF INTEGRAL
EQUATIONS BY THE USE OF RIEMANN SUMS, SIAM REV. 7 (1965)
55-64, MR:33-1987 <41.0, 45.8>

7 CONVERGENCE OF THE NEWTON PROCESS TO MULTIPLE SOLUTIONS,
MRC TECH. SUMMARY REPT. 617 (FEB., 1966) <49.8>

8 COMPUTATIONAL SOLUTION OF NONLINEAR OPERATOR EQUATIONS,
WILEY (1969), MR:39-2289 <03.0, 34.0, 49.8>

9 SOLUTION OF LINEAR INTEGRAL EQUATIONS BY THE USE OF
INVARIANT FUNCTIONS, MRC REPT. NO. 945 (1959),
UNIVERSITY OF WISCONSIN <22.0>

10   SOLUTION OF ABSTRACT POLYNOMIAL EQUATIONS BY ITERATIVE
        METHODS, MRC REPORT NO. 892(1968), U. OF WISCONSIN
        <34.0>
RAMAKRISHNAN, A., MATHEWS, P.M.
    1   ON A CLASS OF STOCHASTIC INTEGRODIFFERENTIAL EQUATIONS,
        PROC. INDIAN ACAD. SCI.   A38 (1953) 450-466, MR:15-723
        <119.3>
    2   ON THE SOLUTION OF AN INTEGRAL EQUATION OF CHANDRASEKHAR
        AND MUNCH, ASTROPHYS. J. 119 (1954) 81-90, MR:15-716
        <119.3>
RAMAMOHANA, M.
    1   A NOTE ON AN INTEGRAL INEQUALITY, J. IND. MATH. SOC. 27
        (1903) 67-69
RANGER, K.B.
    1   SOME INTEGRAL TRANSFORMATION FORMULAE FOR THE STOKES
        BELTRAMI EQUATIONS, J. MATH. MECH. 12(1963), 663-674
        <68.0, 92.1>
    2   ON THE CONSTRUCTION OF SOME INTEGRAL OPERATORS FOR
        GENERALIZED AXIALLY SYMMETRIC HARMONICS AND STREAM
        FUNCTIONS, J. MATH. MECH. 14(1965), 383-402 <68.0,
        92.1>
    3   SOME INTEGRAL RELATIONS FOR SOLUTIONS OF LAPLACE'S
        EQUATION, SIAM J. APPLIED MATH. 15(1967), 69-74 <68.0,
        92.1>
    4   NOTE ON SOME INTEGRAL TRANSFORMATIONS FOR GENERALIZED
        AXIALLY SYMMETRIC POTENTIALS, J. MATH. MECH. 16(1967),
        1377-1380 <68.0, 92.1>
    5   SOLUTION OF SOME BOUNDARY VALUE PROBLEMS IN POTENTIAL
        THEORY, MATHEMATIKA 17(1970), 98-101 <68.0, 92.1>
RANK, P.H.JR.   (SEE - TSAKONAS, S.)
RAO, M.M.   (SEE ALSO - LAKSMIKANTHAM, V.)
    1   CHARACTERIZING NORMAL LAW AND A NONLINEAR INTEGRAL
        EQUATION, J. MATH. MECH. 12 (1963) 869-880, MR:27-5314
        <28.0, 122.0>
RAPOPORT, I.M.
    1   ON A CLASS OF SINGULAR INTEGRAL EQUATIONS, DOKL. AKAD.
        NAUK SSSR (N.S.) 59 (1948) 1403-1406, MR:9-443 <70.0>
RAZAPOV, G.   (SEE - VED, JU.A.)
REDDY, R.B.   (SEE - LAWRENCE, H.R.)
REED, J.R.   (SEE - MULLINEUX, N.)
REED, K.W.,JR.
    1   ON A PROBLEM IN NEUTRON TRANSPORT THEORY, J. MATH. ANAL.
        APPL. 10 (1965) 161-165, MR:30-5770 <119.3>
REICH, E.
    1   ON THE INTEGRO-DIFFERENTIAL EQUATION OF TAKACS. I., ANN.
        AMER. MATH. STAT. 29 (1958) 563-570, MR:20-354 <122.0>
    2   A RANDOM WALK RELATED TO THE CAPACITANCE OF THE CIRCULAR
        PLATE CONDENSER, QUART. APPL. MATH. 11(1953) 341-345,
        MR:15-256 <92.3, 122.0>
    3   ON THE INTEGRODIFFERENTIAL EQUATIONS OF TAKACS. II.,
        ANN. MATH. STAT. 30 (1959) 143-148, MR:20-7355 <122.0>

REICHERT, M.
  1 EINDEUTIGKEITS- UND ITERATIONSFRAGEN BEI
     VOLTERRA-HAMMERSTEINSCHEN INTEGRALGLEICHUNGEN, J. REINE
     ANGEW. MATH. 220 (1965) 74-87, MR:32-332 <11.0>
  2 UBER DIE LOSUNGEN URYSOHNSCHER INTEGRALGLEICHUNGEN,
     MATH. ANN. 176 (1968) 129-144, MR:36-5637 <28.0>
  3 ZUR KONSTRUKTION UND EINDEUTIGKEIT DER FIXPUNKTE BEI
     NICHTLINEAREN INTEGRALGLEICHUNGEN, SOC. SCI. FENN.
     COMMENT.PHYS.-MATH. 30 NO. 1 (1965), MR:33-526 <26.0>
REID, W.T.
  1 GENERALIZED INVERSES OF DIFFERENTIAL AND INTEGRAL
     OPERATORS, PROC. SYMPOS. THEORY AND APPLICATION OF
     GENERALIZED INVERSES OF MATRICES, TEXAS TECH. PRESS
     (1968), MR:41-2470 <22.0>
REINBOLT, W.C.   (SEE - ORTEGA, J.M.)
REISS, E.L.   (SEE - KELLER, H.B.)
REISSNER, E.   (SEE ALSO - GLANTZ, H.)
  1 NOTE ON THE PROBLEM OF THE DISTRIBUTION OF STRESS IN A
     THIN STIFFENED ELASTIC SHEET, PROC. NAT. ACAD. SCI.
     U.S.A. 26 (1940) 300-305, MR:2-32 <104.3>
  2 ON A CLASS OF SINGULAR INTEGRAL EQUATIONS, J. MATH.
     PHYS. 20 (1941) 219-223, MR:3-151 <70.0>
  3 SOLUTION OF A CLASS OF SINGULAR EQUATIONS, BULL. AMER.
     MATH. SOC. 51 (1945) 920-922, MR:7-207 <78.0>
REITAN, D.K.   (SEE - HIGGINS, T.J.)
REITAN, D.K., HIGGINS, T.J.
  1 ACCURATE DETERMINATION OF THE CAPACITANCE OF A THIN
     RECTANGULAR PLATE, TRANS. AIEE (1956) <90.2, 90.0>
  2 CALCULATION OF THE ELECTRICAL CAPACITANCE OF A CUBE, J.
     APPL. PHYS. 22 (1951) 223-226, MR:12-704 <90.0, 90.2>
REITAN, D.K., HIGGINS, T.J., THOMAS, J.B.
  1 SUBAREA DETERMINATION OF THE CAPACITANCE OF CONCENTRIC
     ANNULAR-PLATE CAPACITORS, COMMUNICATION AND ELECTRONICS
     (1960) <92.3>
RESLER, E.L.   (SEE - SEARS, W.R.)
REUTER, G.E.H.
  1 UBER EINE VOLTERRASCHE INTEGRALGLEICHUNG MIT
     TOTALMONOTONEM KERN, ARCH. MATH. 7 (1956) 59-66,
     MR:17-749 <12.0>
REUTER, G.E.H., SONDHEIMER, E.H.
  1 THE THEORY OF THE ANOMALOUS SKIN EFFECT IN METALS, PROC.
     ROY. SOC. A (1948) 336-364 <124.0>
RHODES, E.A.   (SEE - BOWDEN, R.L.)
RHODES, E.C.
  1 POPULATION MATHEMATICS. I., J. ROY. STATIST. SOC. 103
     (1940) 61-83, MR:1-250 <121.0>
  2 POPULATION MATHEMATICS. II AND III, J. ROY. STATIST.
     SOC. (N.S.) 103 (1940) 218-245, 362-387, MR:2-238 <121.0>
RHODES, P.
  1 THE BLOCH INTEGRAL EQUATION AND ELECTRICAL CONDUCTIVITY,
     PROC. ROY. SOC. LONDON. SER. A202 (1950) 466-484,
     MR:13-714 <117.0>

RIAZUDDIN   (SEE - ALY, H.H.)

RIBIERE, G.
    1 REGULARISATION D'OPERATEURS, REV. FRANCAISE INFORMAT.
       RECHERCHE OPERATIONELLE 1(1967) 57-79, MR:35-7311 <56.2>

RICE, J.S.
    1 CONCERNING SOLUTIONS OF A SET OF NONHOMOGENEOUS DUAL
       INTEGRAL EQUATIONS, TECH. REPT. (MARCH, 1967) BENET LABS,
       WATERVLIET ARSENAL, NEW YORK

RICE, S.A.   (SEE - YOUNG, D.A.)

RICHARD, U.-B. R.
    1 BREVE RICERCA SULLA RISOLUBILITA DELL'EQUAZIONE
       INTEGRALE NON LINEARE. ATTI. ACAD. SCI. TORINO. CL. SCI.
       FIS. MAT. NAT. (1943) 293-311, MR:8-29 <28.2>

RICHARDS, P.B.
    1 REPRESENTATION BY VORTEX-LIKE SINGULARITIES OF OBSTACLE
       FLOW IN A STRAIGHT CHANNEL, J. SOC. INDUST. APPL. MATH.
       9 (1961) 269-281, MR:23-B2279 <78.0, 113.0>
    2 PLEMELJ RELATIONS FOR A CLASS OF CAUCHY INTEGRALS, SIAM
       REV. 3 (1961) 252-255, MR:25-2175 <73.0>

RICHTER, H.
    1 UNTERSUCHUNGEN ZUM ERNEUERUNGSPROBLEM, MATH. ANN. 118
       (1941) 145-194, MR:6-11 <121.0>

PIDEAU, G.   (SEE - KAHAN, T.)

RIESZ, F., SZ.-NAGY, B.
    1 FUNCTIONAL ANALYSIS, FREDERICK UNGAR (1955), MR:17-175
       <03.0>

RISEMAN, J.   (SEE - KIRKWOOD, J.G.)

RIZZO, F.J.
    1 AN INTEGRAL EQUATION APPROACH TO BOUNDARY VALUE PROBLEMS
       OF CLASSICAL ELASTROSTATICS, QUART. APPL. MATH. 25
       (1967) 83-95, AMR:21-3188 <104.0>

RIZZO, F.J., SHIPPY, D.J.
    1 A FORMULATION AND SOLUTION PROCEDURE FOR THE GENERAL
       NONHOMOGENEOUS ELASTIC INCLUSION PROBLEM, INTERN. J.
       SOLIDS AND STRUCTURES 4(1968),1161-1179, AMR:22-4024
       <103.4>

RJAZANTSEV, IU.S.
    1 ON THE REFLECTION OF A PLANE SOUND WAVE FROM THE OPEN
       END OF A CIRCULAR TUBE, P. M. M. 26(1962), 376-380,
       TRANSL. J. APPL. MATH. AND MECH., 549-556, MR:25-5671
       <71.0, 101.0>

ROARK, A.L.
    1 ON THE EIGENPROBLEM FOR CONVOLUTION INTEGRAL EQUATIONS,
       NUM. MATH. 17(1971), 54-61 <77.7>

ROARK, A.L., SHAMPINE, L.F.
    1 ON A PAPER OF ROARK AND WING, NUM. MATH. 7 (1965)
       394-395, MR:32-8832 <77.7>

ROARK, A.L., WING, G.M.
    1 A METHOD FOR COMPUTING THE EIGENVALUES OF CERTAIN
       INTEGRAL EQUATIONS, NUM. MATH. 7 (1965) 159-170,
       MR:30-5479 <77.7>

ROBERTS, A.M.
    1   A TWO-DIMENSIONAL MIXED BOUNDARY VALUE PROBLEM IN
           ELASTICITY, QUART. APPL. MATH. 28(1970), 445-449 <103.3>
ROBERTS, J.H.
    1   A NONCONVERGENT ITERATIVE PROCESS, PROC. AMER. MATH.
           SOC. 4 (1953) 640-644, MR:15-38 <12.5, 120.2>
ROBERTS, J.H., MANN, W.R.
    1   ON A CERTAIN NONLINEAR INTEGRAL EQUATION OF THE VOLTERRA
           TYPE, PACIFIC J. MATH. 1(1951) 431-445, MR:13-354 <12.5,
           120.2>
ROBERTSON, I.A.
    1   FORCED VERTICAL VIBRATION OF A RIGID CIRCULAR DISK ON A
           SEMI-INFINITE ELASTIC SOLID, PROC. CAMB. PHIL. SOC. 62
           (1966) 547-553, MR:33-8143 <105.6>
    2   DIFFRACTION OF A PLANE LONGITUDINAL WAVE BY A
           PENNY-SHAPED CRACK, PROC. CAMB. PHIL. SOC. 63(1967)
           229-238, AMR:20-8487 <105.6>
    3   ON A PROPOSED DETERMINATION OF THE SHEAR MODULUS OF AN
           ISOTROPIC ELASTIC HALF-SPACE BY THE FORCED TORSIONAL
           OSCILLATION OF A CIRCULAR DISK, APPL. SCI. RES. A, 17
           (1967) 305-312, AMR:21-3267
ROBINSON, A., LAURMANN, J.A.
    1   WING THEORY, CAMBRIDGE UNIV. PRESS (1956) <108.0, 108.6,
           108.8>
ROBINSON, L.B.
    1   APPLICATION OF THE LAPLACE TRANSFORM IN THE SOLUTION OF
           LINEAR INTEGRAL EQUATIONS, J. APPL. PHYS. 19 (1948)
           237-241, MR:9-443 <64.0>
ROBINSON, P.D.
    1   AN ITERATIVE SOLUTION FOR QUANTUM-MECHANICAL BOUND
           STATES, MRC TECH. REP. NO. 609 JAN (1966) <54.0>
ROBINSON, P.D., ARTHURS, A.M.
    1   SOME VARIATIONAL PRINCIPLES FOR INTEGRAL EQUATIONS, J.
           MATH. PHYS. 9(1968), 1364-1368, AMR:22-4838 <48.5>
ROBINSON, S.M., STROUD, A.H.
    1   THE APPROXIMATE SOLUTION OF AN INTEGRAL EQUATION USING
           HIGH-ORDER GAUSSIAN QUADRATURE FORMULAS, MATH. COMP. 15
           (1961) 286-288, MR:23-A2013 <42.0>
RODIONOV, A.M.
    1   APPLICATION OF A PERTURBATION METHOD TO LINEAR EQUATIONS
           WITH DISTRIBUTED TIME LAG. (RUSSIAN), Z. VYCISL. MAT. I
           MAT. FIZ. 4 (1964) 358-363, MR:32-2876 <17.0>
ROE, G.M.   (SEE - ZIMM, B.)
ROFTMAN, E.L.
    1   A VOLTERRA EQUATION WITH A VERY SINGULAR KERNEL, PROC.
           AMER. MATH. SOC. 17 (1966) 71-75, MR:32-6170 <14.0>
ROGOSINSKI, W.W.
    1   ON FINITE SYSTEMS OF LINEAR EQUATIONS, WITH AN INFINITY
           OF UNKNOWNS, MATH. Z. 63 (1955) 97-108, MR:17-273 <35.0>
ROGOZIN, V.S.   (SEE ALSO - KAKICEV, V.A.)
    1   A CLASS OF INFINITE SYSTEMS OF LINEAR ALGEBRAIC
           EQUATIONS, DOKL. AKAD. NAUK SSSR (N.S.) 114 (1957)
           486-489, MR:20-964 <35.7>

ROGOZINA, I.S.
1 A CERTAIN CLASS OF INTEGRAL EQUATIONS WITH LOGARITHMIC
     KERNEL, WHICH ARE SOLVABLE IN CLOSED FORM, DOKL. AKAD.
     NAUK BSSR 10 (1966) 441-445, MR:37-1916 <77.0>
ROLLETT, J.S., HIGGS, L.A.
1 CORRECTION OF SPECTROSPIC LINE PROFILES FOR INSTRUMENTAL
     BROADENING BY A FOURIER ANALYSIS METHOD, PROC. PHYS.
     SOC. 79 (1962) 87-95
ROMANOVSKY, V.
1 SUR UNE CLASSE D:EQUATIONS INTEGRALES LINEAIRES, ACTA.
     MATH. 59(1932), 99-208
ROSEAU, M.
1 SUR UNE EQUATION INTEGRALE DE LA THEORIE DE LA
     DIFFRACTION DES ONDES ELASTIQUES, C. R. ACAD. SCI. PARIS
     245 (1957) 2013-2014, MR:20-518 <71.8, 105.6>
ROSENBLATT, M.
1 ASYMPTOTIC BEHAVIOR OF EIGENVALUES FOR A CLASS OF
     INTEGRAL EQUATIONS WITH TRANSLATION KERNELS, PROC.
     SYMPOS. TIME SERIES ANALYSIS (1962) 316-326 WILEY, NEW
     YORK (1963), MR:26-5377 <82.0>
2 SOME RESULTS ON THE ASYMPTOTIC BEHAVIOR OF EIGENVALUES
     FOR A CLASS OF INTEGRAL EQUATIONS WITH TRANSLATION
     KERNELS, J. MATH. MECH. 12 (1963) 619-628, MR:27-547
     <82.0>
ROSENBLOOM, P.C.   (SEE - BLOCK, H.D.)
ROSENTHAL, J.E.
1 PROPERTIES OF SOLUTIONS OF LAPLACE'S EQUATION GENERATED
     BY INTEGRALS IN THE COMPLEX DOMAIN. I. AXIALLY SYMMETRIC
     POTENTIALS, J. MATH. ANAL. APPL. 21 (1968) 547-555,
     MR:36-6640 <74.2>
ROSS, J.   (SEE - DESAI, R.C.)
ROSTOVTSEV, N.A.   (SEE ALSO - ZAKORKO, V.N.)
1 AN INTEGRAL EQUATION ENCOUNTERED IN THE PROBLEM OF A
     RIGID FOUNDATION BEARING A NONHOMOGENEOUS SOIL, J. APPL.
     MATH. MECH. 25 (1961) 238-246, AMR:16-3330 <103.6>
2 ON CERTAIN SOLUTIONS OF AN INTEGRAL EQUATION OF THE
     THEORY OF A LINEARLY DEFORMABLE FOUNDATION, PMM 28(1964)
     111-127, TRANSL. J. APPL. MATH. MECH. 127-145,
     MR:30-1372 <103.5>
3 REMARKS ON THE PAPER BY V. S. GUBENKO ** SOME CONTACT
     PROBLEMS OF THE THEORY OF ELASTICITY AND FRACTIONAL
     DIFFERENTIATION **, PMM 23(1959) 797-800, TRANSL. J.
     APPL. MATH. MECH., 1143-1149, MR:22-1155 <68.0, 103.6>
4 ON THE PROBLEM OF DIFFRACTION OF SOUND FROM A CIRCULAR
     APERTURE, J. APPL. MATH. MECH. 24 (1960) 1404-1407
     <97.0>
ROTHE, E.H.
1 WEAK TOPOLOGY AND NONLINEAR INTEGRAL EQUATIONS, TRANS.
     AMER. MATH. SOC. 66 (1949) 75-92, MR:11-194 <28.0>
2 UBER DIE INTEGRALGLEICHUNG DES SKINEFFEKTS, J. FUR MATH.
     170 (1934) 213-230 <124.0>
3 ZUR ABELSCHEN INTEGRALGLEICHUNG, MATH. ZS. 33 (1931)
     375-397 <15.0>

    4   TOPOLOGICAL PROOFS OF UNIQUENESS THEOREMS IN THE THEORY
        OF DIFFERENTIAL AND INTEGRAL EQUATIONS, BULL. AMER.
        MATH. SOC. 45 (1939) 606-613, MR:1-18   <37.5>
ROTT, N.   (SEE - CHENG, H.K.)
ROUNYAK, J.   (SEE - PINCUS, J.D.)
ROUSSOPOULOS, P.   (SEE - KAHAN, T.)
ROWLANDS, G.
    1   THE APPLICATION OF THE VARIATIONAL METHOD TO NEUTRON
        TRANSPORT THEORY, J. NUCL. ENERGY REACTOR SCI. 13 (1961)
        176-182   <48.5, 119.0>
ROYDEN, H.L.
    1   A MODIFICATION OF THE NEUMANN-POINCARE METHOD FOR
        MULTIPLY CONNECTED REGIONS, PACIFIC J. MATH. 2 (1952)
        385-394, MR:14-182   <90.0>
ROZOVSKII, M.I.
    1   ON A NON-LINEAR INTEGRAL EQUATION, UKRAIN. Z. 12 (1960)
        96-98, MR:28-1459   <11.0, 106.0>
    2   APPLICATION OF INTEGRODIFFERENTIAL EQUATIONS TO DYNAMIC
        PROBLEMS OF THE THEORY OF ELASTICITY IN CASE OF
        AFTER-EFFECT, APPL. MATH. MECH. 11(1947), 329-338,
        MR:9-164   <17.0, 115.0>
    3   RADIAL VIBRATIONS OF A HOLLOW SPHERE WITH THE SINGULAR
        KERNEL OF ELASTIC AFTER-EFFECT, DOKL. AKAD. NANK.
        SSSR(N.S.) 105(1955), 672-675, MR:18-249 <115.0, 123.0>
    4   ON AN INTEGRAL EQUATION WITH A SINGULAR KERNEL, UKRAIN.
        MAT. Z. 14(1962), 219-221, MR:28-1460   <12.0>
    5   THE APPLICATION OF INTEGRAL AND INTEGRODIFFERENTIAL
        EQUATIONS TO THE STUDY OF THE DEFORMATION PROCESSES OF
        REAL MATERIALS, IZVESTIYA AKAD. NAUK (1948), 601-622,
        MR:10-88 <105.0>
RUBENFELD, L.   (SEE - BAZER, J.)
RUBINSTEIN, L.I.
    1   ON A CASE OF STEFAN'S PROBLEM, DOKL. AKAD. NANK. SSSR
        142(1962), 576-577, TRANSL. SOVIET PHYSICS DOKL. 7,
        21-22, MR:25-4258 <120.5>
    2   THE STEFAN PROBLEM, AMS MONOGRAPH TRANSL. 27 <120.5>
RUEI, R.H.   (SEE - BARUT, A.O.)
RUHLIN, B.I.
    1   SOLUTION OF FOX'S INTEGRAL EQUATION OF THE FIRST AND
        SECOND KIND IN A CLASS OF GENERALIZED FUNCTION, UKRAIN.
        MAT. Z. 20(1968), 557-561, MR:40-728
RUHS, F.
    1   UBER GEWISSE SINGULARE VOLTERRASCHE INTEGRALGLEICHUNGEN
        VOM FALTUNGSTYPUS, Z. ANGEW. MATH. MECH. 43 (1963)
        361-367, MR:27-4031   <64.0>
    2   UBER DIE ANWENDUNG DER OPERATORENRECHNUNG AUF LINEARE
        INTEGRALGLEICHUNGEN VOM FALTUNGTYPUS, Z. ANGEW. MATH.
        MECH. 42 (1962) 203-209, MR:25-413   <64.0>
RUKHOVETS, A.N., UFLIAND, IA.S.
    1   ON A CLASS OF DUAL INTEGRAL EQUATIONS AND THEIR
        APPLICATIONS TO THE THEORY OF ELASTICITY, PRIKL. MAT.
        MEH., 271-277, TRANSL. J. APPL. MATH. MECH., 334-341,
        MR:36-631   <67.8, 103.9>

2 MIXED PROBLEMS ON TORSION OF AN ELASTIC HALF-SPACE WITH
A SPHERICAL INCLUSION, PMM 32(1968) 167-174, TRANSL.
APPL. MATH. MECH., 160-166, AMR:22-4944 <103.9>
3 ELECTROSTATIC FIELD OF A PAIR OF THIN SPHERICAL SHELLS
(ROTIONALLY SYMMETRIC PROBLEM), ZH. TEKH. FIZ. 9 (1965)
1532-1536 <92.8>
RUMSEY, V.H.
1 REACTION CONCEPT IN ELECTROMAGNETIC THEORY, PHYSICAL
REVIEW 94 (1954) 1483-1491, MR:16-202 <48.5, 101.0>
RUMYANTSEV, I.A.
1 PROGRAM FOR SOLVING A SYSTEM OF VOLTERRA INTEGRAL
EQUATIONS (OF THE SECOND KIND), USSR COMP. MATH. AND
MATH. PHYS. 5 (1965) 218-224 <13.0>
RUNYAN, H.L.   (SEE - WATKINS, C.E.)
RUSIA, K.C.
1 AN INTEGRAL EQUATION INVOLVING CONFLUENT HYPERGEOMETRIC
FUNCTION, MATH. STUDENT 37(1969), 55-58, MR:41-8951
<64.5>
2 SOME INTEGRAL EQUATIONS AND INTEGRALS, PROC. NAT. ACAD.
SCI. INDIA SECT. A 37(1967), 67-70, MR:40-3232 <65.0>
RUSSEL, R.D., SHAMPINE, L.F.
1 EXISTENCE OF EIGENVALUES OF INTEGRAL EQUATIONS, SIAM
REV. 13(1971), 209-219 <24.0>
RUSSMAN, I.B.
1 NOTES ON THE SINGULAR EQUATION OF THE PROBLEM OF RADIANT
TRANSFER IN SEMI-SPACE, U.S.S.R. COMP. MATH. AND MATH.
PHYS. 4 (1964) 206-212 <119.3>
2 ON THE SOLUTION OF THE EQUATION FOR DARKENING AT THE
EDGE, Z. VYCISL. MAT. I MAT. FIZ. 5 (1965) 1130-1135
TRANSL. U.S.S.R. COMP. MATH. AND MATH. PHYS. 5 NO. 6
(1965) 215-223, MR:33-3063 <119.3>
RUTICKII, YA.   (SEE - KRASNOSEL'SKII, M.A.)
RUTMAN, M.   (SEE - KREIN, M.G.)
RUTNER, YA.F., SKRYABINA, L.P.
1 APPLICATION OF THE WIENER-HOPF METHOD TO THE SOLUTION OF
A BOUNDARY VALUE PROBLEM FOR THE HEAT CONDUCTION
EQUATION, DIFFERENTSIAL'NYE URAVNENIYA, 2(1966),
1101-1106, TRANSL. DIFF. EQNS. 570-572 <71.0, 120.0>
RVACHEV, V.L.
1 THE PRESSURE ON AN ELASTIC HALF-SPACE OF A STAMP WITH A
WEDGE-SHAPED PLANFORM, P.M.M. 23 (1959) 169-171 TRANSL.
J. APPL. MATH. MECH., 229-233, MR:21-6766 <103.9>
RVACOV, V.L.   (SEE - KOVALENKO, S.P.)
RYALL, D.L., WILSON, E.M.
1 LONG WAVES GENERATED BY THE OSCILLATION OF A VERTICAL
FLAT PLATE, ADMIRALTY RES. LAB TEDDINGTON (1955)
RYBKA, M.T.   (SEE - MOSSAKOVSKII, V.I.)
RYLL-NARDZEWSKI, C.   (SEE - FINKELSZTEJN, L.)
RYSJUK, N.A.
1 ON THE SOLUTION OF SYSTEMS OF SINGULAR INTEGRAL
EQUATIONS WITH KERNELS INVARIANT WITH RESPECT TO
TRANSFORMATIONS OF A CERTAIN GROUP. (RUSSIAN).
DIFFERENCIAL'NYE URAUNENIJA 2 (1966) 701-708. MR:33-4633
<25.0, 74.5>

2 EQUATIONS AND SYSTEMS OF INTEGRAL EQUATIONS WITH
     LOGARITHMIC KERNELS, VESCI AKAD. NAVUK BSSR SER. FIZ.
     MAT. NAVUK 3(1966), 28-36, MR:34-3261 <73.0, 77.0>
SAATY, T.L.
   1 ELEMENTS OF QUEUEING THEORY, MCGRAW-HILL (1961),
     MR:24-A3010 <02.0, 122.0>
   2 MODERN NONLINEAR EQUATIONS, MCGRAW-HILL (1967)M. R.
     36-1249
SACKMAN, J.L.   (SEE - DISTEFANO, J.N.)
SACKMAN, J.L., KAYA, I.
   1 ON THE DETERMINATION OF VERY EARLY-TIME VISCOELASTIC
     PROPERTIES, J. MECH. PHYS. SOLIDS 16 (1968) 121-132,
     AMR:21-7168 <106.0>
   2 ON THE PROPAGATION OF TRANSIENT PULSES IN LINEARLY
     VISCOELASTIC MEDIA, J. MECH. PHYS. SOLIDS 16(1968),
     349-356, AMR:22-4175 <106.0>
SACKMAN, J.L., NICKELL, R.E.
   1 CREEP OF A CRACKED REINFORCED BEAM, J. STRUCT. DIV.,
     PROC. AMER. SOC. CIVIL ENGRG. 94, ST 1 (1968), 283-308,
     AMR:21-4759 <106.0>
SADOWSKY, M.A.   (SEE - STERNBERG, E.)
SADOWSKA, D.
   1 SUR UNE EQUATION INTEGRO-DIFFERENTIELLE DE LA THEORIE DE
     LA CONDUCTIBILITE, ANN. POLON. MATH. 7 (1959) 81-92,
     MR:22-887 <120.0>
   2 EQUATION INTEGRO-DIFFERENTIELLE D'ABEL, BULL. SOC. SCI.
     LETTRES LODZ 10(1959), NO. 6,, MR:24-A998 <15.0>
SAERMARK, K.
   1 ON SOME TWO-DIMENSIONAL DIFFRACTION PROBLEMS, DANSK
     VIDENSKABS FORLAG KOBENHAVEN (1960) <96.2>
   2 TRANSMISSION COEFFICIENT FOR A SYSTEM OF PARALLEL SLITS
     IN A THIN PLANE SCREEN, APPL. SCI. RES. (SECTION B) 8 (
) 29-34 <95.2>
SAFRONOV, V.S.
   1 A RESTRICTED SOLUTION OF THE ACCRETION EQUATION, DOKL.
     AKAD. NAUK SSSR 147 (1962) 64-67, TRANSL. SOVIET PHYSICS
     DOKL. 7 (1963) 967-971, MR:27-5607 <64.0, 121.0>
SATBEL, E.
   1 ON THE METHOD OF COLLOCATION, J. FRANKLIN INST. 238
     (1944) 107-110, MR:6-133 <54.0>
SAKALJUK, K.D.
   1 THE GENERALIZED ABEL INTEGRAL EQUATION WITH INNER
     COEFFICIENTS, KISINEV. GOS. UNIV. UCEN. ZAP. 82 (1965)
     60-68, MR:37-3294 <79.5>
   2 ABEL'S GENERALIZED INTEGRAL EQUATION, DOKL. AKAD. NAUK
     SSSR 131 (1960) 748-751, TRANSL. SOVIET MATH. DOKL. 1,
     332-335, MR:22-8299 <79.5>
SALA, I.
   1 NUMERISCHE LOSUNG VON LINEAREN HOMOGENEN
     EIGENWERTAUFGABEN ZWEITER ORDNUNG DURCH
     MITTELWERTMETHODEN, COMMENT. PHYS.-MATH. SOC. SCI.
     FENNICA 15 NR. 13 (1951) 1-9, MR:15-16 <54.0>

2 ON THE NUMERICAL SOLUTION OF CERTAIN BOUNDARY VALUE
    PROBLEMS AND EIGENVALUE PROBLEMS OF THE SECOND AND THE
    FOURTH ORDER WITH THE AID OF INTEGRAL EQUATIONS, ACTA
    POLYTECH. SCAND. MATH. AND COMPUT. MACH. SEP. NO. 9
    (1963), MR:27-3077 <54.0>

SALAM, A.
  1 FREDHOLM SOLUTION OF PARTIAL INTEGRAL EQUATIONS, PROC.
    CAMBRIDGE PHILOS. SOC. 49 (1953) 213-217, MR:14-761
    <22.0>

SALEHOV, G.
  1 EIGENVALUE PROBLEMS FOR NON-LINEAR INTEGRAL EQUATIONS,
    BULL. SOC. PHY. MATH. KAZAN (3) 12 (1940)/75-181,
    MR:7-123 <27.0>

SALZER, H.E.
  1 ORTHOGONAL POLYNOMIALS ARISING IN THE NUMERICAL
    EVALUATION OF INVERSE LAPLACE TRANSFORMS, MATH. TABLES
    AIDS COMPUT. 9 (1955) 164-177, MR:17-1203 <63.0>
  2 TABLES FOR THE NUMERICAL CALCULATION OF INVERSE LAPLACE
    TRANSFORMS, J. MATH. PHYS. 37 (1958) 89-108, MR:21-1692
    <63.0>

SAMKO, S.G.
  1 A GENERALIZED ABEL EQUATION AND FRACTIONAL INTEGRATION
    OPERATORS, DIFFERENCIAL'NYE URAVNENIJA 4 (1968), 298-314,
    MR:37-3295 <68.0, 79.5>
  2 NOETHER'S THEORY FOR THE GENERALIZED ABEL INTEGRAL
    EQUATION, DIFFERENCIAL'NYE URAVNENIJA 4 (1968), 315-326,
    MR:37-3296 <25.0, 79.5>
  3 A GENERAL SINGULAR EQUATION ON AN OPEN CONTOUR, AND A
    GENERALIZED ABEL EQUATION, DOKL. AKAD. NAUK SSSR 177
    (1967) 44-47 TRANSL. SOVIET MATH. DOKL. 8 (1967)
    1377-1381, MR:37-5631 <25.0, 74.5, 79.5>
  4 ON THE REDUCTION OF CERTAIN INTEGRAL EQUATIONS OF THE
    FIRST KIND IN THE THEORY OF ELASTICITY AND HYDRODYNAMICS
    TO EQUATIONS OF THE SECOND KIND, PMM 31(1967), 343-345,
    TRANSL. J. APPL. MATH. MECH. 31(1967), 368-371,
    MR:39-730 <64.5, 123.2>
  5 ABEL'S GENERALIZED EQUATION, FOURIER TRANSFORM,AND
    CONVOLUTION TYPE EQUATIONS, DOKL, AKAD. NAUK SSSR
    187(1969), 743-746, TRANSL. SOVIET MATH DOKL. 10(1969),
    942-946, MR:40-4713 <79.5>
  6 ABEL'S GENERALIZED EQUATION, FOURIER TRANSFORM, AND
    CONVOLUTION TYPE EQUATIONS, DOKL. AKAD. NAUK SSS R
    187(1969), 743-746, TRANSL. SOVIET MATH DOKL. 10(1969),
    942-946, M.R. 40-4713 <79.5>
  7 A GENERALIZED ABEL EQUATION AND AN EQUATION WITH CAUCHY
    KERNEL, DOKL. AKAD. NAUK SSSR 176(1967), 1019-1022,
    TRANSL. SOVIET MATH. DOKL. 8(1967), 1259-1262,
    MR:38-3704 <79.5>
  8 THE SOLVABILITY IN CLOSED FORM OF SINGULAR INTEGRAL
    EQUATIONS, DOKL. AKAD. NAUK SSSR 189(1969), 483-485,
    TRANSL. MATH. DOKL. 10(1969), 1445-1448, MR:41-761
    <78.0>

SAMUELSON, P.A.
    1   RAPIDLY CONVERGING SOLUTIONS TO INTEGRAL EQUATIONS, J.
            MATH. PHYS. 31 (1953) 276-286, MR:14-503 <49.1>
SANDBERG, I.W.   (SEE ALSO - BENES, V.E.)
    1   ON THE BOUNDEDNESS OF SOLUTIONS OF NONLINEAR INTEGRAL
            EQUATIONS, BELL SYSTEM TECH. J. 44 (1965) 439-453,
            MR:33-7806 <11.0>
    2   ON THE L2-BOUNDEDNESS OF SOLUTIONS OF NONLINEAR
            FUNCTIONAL EQUATIONS, BELL SYSTEM TECH. J. 43 (1964)
            1581-1599, MR:30-1416 <28.0,   34.0>
    3   SOME RESULTS ON THE THEORY OF PHYSICAL SYSTEMS GOVERNED
            BY NONLINEAR FUNCTIONAL EQUATIONS, BELL SYSTEM TECH. J.
            44 (1965) 871-898, MR:31-3811 <11.0>
    4   A NOTE ON THE APPLICATION OF THE CONTRACTION-MAPPING
            FIXED POINT THEORM TO A CLASS OF NONLINEAR FUNCTIONAL
            EQUATIONS, SIAM REV. 7(1965), 199-204, MR:31-6142 <34.0,
                37.5>
SANDBERG, I W., BENES, V.E.
    1   ON THE PROPERTIES OF NONLINEAR INTEGRAL EQUATIONS THAT
            ARISE IN THE THEORY OF DYNAMICAL SYSTEMS, BELL SYSTEM
            TECH. J. 43 (1964) 2839-2853, MR:32-8095 <11.0,   28.0>
SANDE, G.   (SEE - GENTLEMAN, W.M.)
SANDERS, J.L., JR.   (SEE - COPLEY, L.G.)
SANSONE, G.
    1   SUGLI AUTOVALORI RELATIVI AD UN'EQUAZIONE DELLA
            CONDUZIONE DEL CALORE IN UN FLUIDO SOGGETTO A TURBOLENZA,
            ANN. MAT. PURA APPL. (4) 53 (1961) 5-8, MR:23-A382
            <89.0>
SAPKIN, A.F.
    1   THE OPTIMAL METHODS ON FUNCTION CLASSES FOR COMPUTING
            THE EIGENVALUES OF FREDHOLM'S INTEGRAL OPERATOR, DOKL.
            AKAD. NAUK SSSR 184(1969), 1057-1050, TRANSL. SOVIET
            MATH. 10(1969), 215-218, MR:39-3727 <54.0>
SAPOZHNIKOVA, V.D.   (SEE - BURAGO, YU.D.)
SARGIS, D.A.
    1   REACTOR MATHEMATICS, AMER. NUCL. SOC. TRANS. 10 (1967)
            170-178 <119.0>
SAROLEA, L., MAYER, J.E.
    1   INTEGRAL EQUATION METHOD IN THE THEORY OF LIQUIDS, PHYS.
            REV. (2) 101 (1956) 1627-1640, MR:18-161 <117.0>
SATASVILI, S.H.
    1   ON STEADY VIBRATIONS WITH GIVEN EXTERNAL FORCES ON THE
            SURFACE OF AN ELASTIC BODY, AKAD. NAUK SSSR PRIKL. MAT.
            MEH. 15(1951), 625-617, MR:14-223 <105.0>
    2   REDUCTION OF A MIXED PROBLEM OF THE THEORY OF STEADY
            ELASTIC VIBRATIONS TO A FREDHOLM INTEGRAL EQUATION,
            SOOKSCENIYA AKAD. NAMK. GOUZIN SSR 14(1953), 257-260,
            MR:17-320 <105.0>
SATHER, D.
    1   BRANCHING OF SOLUTIONS OF AN EQUATION IN HILBERT SPACE,
            ARCH. RAT. MECH. ANAL. 36(1970), 47-64, MR:40-4828
            <27.0>

SATO, T.   (SEE ALSO - IWASAKI, A.)
  1 SUR L'EQUATION INTEGRALE XU(X) = F(X) + INT(O,X)K(X,T,
       U(T) DT, J. MATH. SOC. JAPAN 5(1953), 145-153, MR:15-435
       <11.0>
  2 SUR L'EQUATION INTEGRALE NONLINEARE DE VOLTERRA,
       COMPOSITIO MATH. 11 (1953) 271-290, MR:15-714
  3 DETERMINATION UNIQUE DE SOLUTION DE L'EQUATIONS
       INTEGRALE DF VOLTERRA, PROC. JAPAN ACAD. 27 (1951)
       276-278, MP:13-752 <11.0>
  4 SUR LA LIMITATION DES SOLUTIONS D'UN SYSTEME D'EQUATIONS
       INTEGRALES DE VOLTERRA, TOHOKU MATH. J. 4 (1952) 272-274,
       MP:14-878 <11.0>
SATO, T., IWASAKI, A.
  1 SUR L'EQUATION INTEGRALE DE VOLTERRA, PROC. JAPAN ACAD.
       31(1955) 395-398 <11.0>
SATO
  1 ON EIGENVALUES OF ITERATED KERNELS, PROC. PHYS.-MATH.
       SOC. JAPAN (3) 23 (1941) 4-7, MR:3-47 <24.5>
SATTINGER, D.H.
  1 A SINGULAR EIGENFUNCTION EXPANSION IN ANISOTROPIC
       TRANSPORT THEORY, J. MATH. ANAL. APPL. 15 (1966) 497-511,
       MP:34-7179 <119.8>
  2 THE EIGENVALUES OF AN INTEGRAL EQUATION IN ANISOTROPIC
       NEUTRON TRANSPORT THEORY, J. MATH. AND PHYS. 45 (1966)
       188-196, MP:35-3402 <119.8>
SAVINOVA, L.T.
  1 ON LOWER ESTIMATES FOR THE EIGENVALUES OF POSITIVE
       OPERATORS, Z. VYCISL. MAT. I MAT. FIZ. 1(1961) 714-719,
       TRANSL. U.S.S.R. COMP. MATH. AND MATH. PHYS. 1 (1962)
       846-853, MP:24-B1762 <54.0>
SAWYER, W.W.
  1 ON THE INTEGRAL EQUATION KF(X) = INT(1,N) (X+Y)**(-1)*
       F(Y) DY, J. LONDON MATH. SOC. 34(1959), 451-453,
       MR:21-5876 <79.0>
SCADRON, M.
  1 FORMAL ASPECTS OF POTENTIAL THEORY, IN 'SYMPOSIA ON
       THEORETICAL PHYSICS AND MATHEMATICS', A. RAMAKRISHNAN,
       ED. PLENUM (1968)
SCADRON, M., WEINBERG, S., WRIGHT, J.
  1 FUNCTIONAL ANALYSIS AND SCATTERING THEORY, PHYS. REV.
       135 (1964) B202-B257, MR:30-2844 <116.1>
SCARF, H.   (SEE - ARROW, K.J.)
SCARPINI, F.
  1 SULLA RISOLUBILITA DI UNA PARTICOLARE EQUAZIONE
       INTEGRALE NONLINEARE, REND. MATH. E APPL. (5) 25 (1966)
       285-307, MP:36-5638 <28.2>
SCHACH, W.
  1 UMLENKUNG EINES KREISFORMIGEN FLUSSIGKEITSSTRAHLES AN
       EINER EHENEN PLATTE SENKRECHT ZUR STROMUNGSRICHTUNG,
       ING. ARCH. 6(1935), 51-59 <113.5>

SCHAEFER, H.H.

1 NEUE EXISTEN SATZE IN DER THEORIE NICHTLINEARER
INTEGRALGLEICHUNGEN, BER. VERH. SACHS. AKAD. WISS.
LEIPZIG. MATH.-NAT. KL. 101 (1955) NO. 7, MR:20-1184
<28.0>

2 ON NONLINEAR POSITIVE OPERATORS, PAC. J. MATH. 9 (1959)
847-860, MR:22-1827 <34.0, 37.5>

3 ZUR THEORIE NICHTLINEARER INTEGRALGLEICHUNGEN, MATH.
NACHR. 11 (1954) 193-211, MR:16-487 <28.0>

4 SOME NONLINEAR EIGENVALUE PROBLEMS, IN 'NONLINEAR
PROBLEMS', UNIV. OF WIS. PRESS MADISON, WIS. (1963)
117-137, MR:26-5429 <27.0>

5 UBER ALGEBRAISCHE INTEGRALGLEICHUNGEN MIT NICHTNEGATIVEN
KOEFFIZIENTEN, MATH. ANN. 137 (1959) 385-391, MR:21-6519
<28.2>

SCHARF, G.

1 FUNCTIONAL-ANALYTIC DISCUSSION OF THE LINEARIZED
BOLTZMANN EQUATION, HELV. PHYS. ACTA 40 (1967) 929-945,
MR:36-3553 <119.2>

SCHAUDER, F.

1 DER FIXPUNKTSATZ IN FUNCTIONALRAUM, STUDIA MATH. (2)
(1930) <37.5>

SCHEID, F.

1 ON THE ASYMPTOTIC SHAPE OF THE CAVITY BEHIND AN AXIALLY
SYMMETRIC NOSE MOVING THROUGH AN IDEAL FLUID, AMER. J.
MATH. 72 (1950) 485-501, MR:12-58 <113.5>

SCHENCK, H.A.

1 AN IMPROVED INTEGRAL FORMULATION FOR ACOUSTIC RADIATION
PROBLEMS, 6TH INTERNATIONAL CONGRESS ON ACOUSTICS TOKYO,
JAPAN (1968) <35.0>

SCHIFF, H.   (SEE - BETTS, D.D.)
SCHIFFER, M.   (SEE ALSO - BERGMAN, S.)

1 FREDHOLM EIGENVALUES AND CONFORMAL MAPPING, REND. MAT. E
APPL. 22 (1963) 447-468, MR:31-322

2 THE FREDHOLM EIGENVALUES OF PLANE DOMAINS, PAC. J. MATH.
7(1957), 1187-1225, MR:21-3684 <90.0>

3 FREDHOLM EIGENVALUES OF MULTIPLY-CONNECTED DOMAINS, PAC.
J. MATH. 9(1959) 211-269, MR:22-3892 <90.0>

SCHIFFER, M., SPRINGER, G.

1 FREDHOLM EIGENVALUES AND CONFORMAL MAPPING OF MULTIPLY
CONNECTED DOMAINS, J. ANAL. MATH. 14(1965), 337-378,
MR:32-2569 <107.0>

SCHIRKOV, D.V.   (SEE - BOGOLIUBOV, N.N.)
SCHLEIFF, M.

1 DIE ENDLICHE HILBERTTRANSFORMATION EINIGER SPEZIELLER
FUNKTIONEN, ZEITS. ANG. MATH. MECH. 50(1970), 575-576
<78.0>

2 UBER EINE SINGULARE INTEGRALGLEICHUNG MIT
LOGARITHMISCHEN ZUSATZKERN, MATH. NACHR. 42(1969), 79-88,
MR:41-762 <77.0, 78.0>

3 UNTERSUCHUNG EINER LINEAREN SINGULAREN
INTEGRODIFFERENTIALGLEICHUNG DER TRAGFLUGELTHEORIE,
WISS. Z. UNIV. HALLE 17(1969), 981-1000, MR:40-3243
<109.0>

4   UBER NAHERUNGSVERFAHREN ZUR LOSUNG EINER SINGULAREN
        LINEAREN INTEGRODIFFERENTIALGLEICHUNG, Z. ANGEW. MATH.
        MECH. 48(1968), 477-483 <50.0>
SCHLESINGER, S.
    1   APPROXIMATING EIGENVALUES AND EIGENFUNCTIONS OF
        SYMMETRIC KERNELS, J. SOC. INDUST. APPL. MATH. 5 (1957)
        1-14, MR:19-1062 <54.0>
SCHLITT, D.W.
    1   NUMERICAL SOLUTION OF A SINGULAR INTEGRAL EQUATION
        ENCOUNTERED IN POLYMER PHYSICS, J. MATH. PHYS. 9 (1968)
        436-439 <50.0>
SCHMAEDEKE, W.W.
    1   A NEW APPROACH TO THE SOLUTION OF UNSTABLE PROBLEMS
        USING VARIATIONAL TECHNIQUES, J. MATH. ANAL. APPL. 25
        (1969) 272-275, MR:38-6419 <56.0>
    2   APPROXIMATE SOLUTION FOR VOLTERRA INTEGRAL EQUATIONS OF
        THE FIRST KIND, J. MATH. ANAL. APPL. 23 (1968) 604-613,
        MR:38-502 <16.0>
SCHMEIDLER, F.
    1   ZUR STATISTISCHEN VERWERTUNG VON STERNZAHLEN UND
        MITTLEREN PARALLAXEN, ASTR. NACHR. 273 (1942) 1-20,
        MR:5-18 <56.0, 124.0>
SCHMEIDLER, W.
    1   ALGEBRAISCHE INTEGRALGLEICHUNGEN, MATH. NACHR. 8 (1952)
        31-40, MR:14-382 <28.2>
    2   ALGEBRAISCHE INTEGRALGLEICHUNGEN. II., MATH. NACHR. 10
        (1953) 247-255, MR:15-434 <28.2>
    3   INTEGRALGLEICHUNGEN MIT ANWENDUNGEN IN PHYSIK UND
        TECHNIK. I. LINEARE INTEGRALGLEICHUNGEN, AKADEMISCHE
        VERLAGSGESELLSCHAFT, LEIPZIG (1950), MR:13-466 <01.0>
    4   UBER EIN ZWEIDIMENSIONALES ANALOGON LINEAR FORMEL DER
        INTEGRALRECHNUNG, JOURNAL FUR DIE REINE UND ANGEW. MATH.
        183 (1941) 175-182, MR:4-273 <78.0, 92.6>
    5   UBER INTEGRALGLEICHUNGEN ERSTER ART MIT BESCHRANKTER
        KERNMATRIX, J. REINE ANGEW. MATH. 186 (1944) 16-24,
        MR:7-122 <29.0>
    6   UBER SYMMETRISCHE ALGEBRAISCHE INTEGRALGLEICHUNGEN, ANN.
        ACAD. SCI. FENNICAE (AI) 220 (1956) 1-18, MR:18-302
        <28.2>
    7   VARIATIONSRECHNUNG UND INTEGRALGLEICHUNGEN, J. REINE
        ANGEW. MATH. 200 (1958) 182-189, MR:20-6017 <48.5>
    8   DIE NAVIER-STOKESSCHEN GLEICHUNGEN DER HYDRODYNAMIK ALS
        SYSTEM QUADRATISCHER INTEGRAL-GLEICHUNGEN, MATH. Z.
        72(1959/60), 279-233, MR:22-8924 <113.0>
    9   REELE LOSUNGEN ALGEBRAISCHER INTEGRALGLEICHUNGEN, UNIV.
        NAC. TUCUMAN REV. SER. A 13(1960), 136-157, MR:27-556
        <28.2, 113.0>
   10   DER ALTERNATIVSATZ DER INTEGRALGLEICHUNGSTHEORIE UND
        SEINE AUSDEHNUNG AUF ALGEBRAISCHE INTEGRALGLEICHUNGEN,
        J. REINE ANGEW. MATH. 210(1962),105-112, MR:27-557
        <28.2>

  11 UBER SYMMETRISCHE ALGEBRAISCHE INTEGRALGLEICHUNGEN.
        SAMMELBAND ZU EHREN DES 250., GEBURTSTAFES LEONHARD
        EULERS, 311-314, AKADEMIE-VERLAG, BERLIN 1959,
        MR:23-A1220 <28.2>
SCHMEIDLER, W., MORGENSTERN, D.
   1 ZUR UBERTRAGUNG DES ALTERNATIVSATZES DER FREDHOLMSCHEN
        THEORIE AUF ALGEBRAISCHE INTEGRALGLEICHUNGEN, ARCH.
        MATH. 5 (1954) 452-457, MR:16-371 <28.2>
SCHMELTZER, R.A., LEWIN, M.
   1 FUNCTION THEORETIC SOLUTION TO A CLASS OF DUAL INTEGRAL
        EQUATIONS AND AN APPLICATION TO DIFFRACTION THEORY,
        QUART. APPL. MATH. 21 (1963/64) 269-283, MR:27-5102
        <73.0, 96.2>
SCHMIDT, E.
   1 UBER DIE AUFLOSUNG DER NICHTLINEAREN INTEGRALGLEICHUNG
        UND DIE VERZWEIGUNG IHRER LOSUNGEN, MATH. ANN. 65 (1906)
        370-399 <27.0>
   2 ZUR THEORIE DER LINEAREN UND NICHTLINEAREN
        INTEGRALGLEICHUNGEN, MATH. ANN. 63 (1907) 433-476 <27.0,
         28.0>
   3 ZUR THEORIE DER LINEAREN UND NICHTLINEAREN
        INTEGRALGLEICHUNGEN. II., MATH. ANN. 64 (1907) 161-174
        <27.0, 28.0>
   4 UBER DIE AUFLOSUNG DER NICHTLINEAREN INTEGRALGLEICHUNGEN
        UND DIE VERZWEIGUNG IHRER LOSUNGEN. III., MATH. ANN. 65
        (1908) 370-399 <07.0, 27.0>
SCHMIDT, G.
   1 ANWENDUNG DER THEORIE NICHTLINEARER INTEGRALGLEICHUNGEN
        IN DER ELASTOKINETIK, REV. MEC. APPL. 6 (1961) 581-601,
        MR:26-7227 <27.0, 115.0>
SCHMIDT, J.W.
   1 KONVERGENZUNTERSUCHUNGEN UND FEHLERABSCHATZUNGEN FUR EIN
        VERALLGEMEINERTES ITERATIONSVERFAHREN, ARCH. RATIONAL
        MECH. ANAL. 6 (1960) 261-276, MR:27-3069 <49.0>
SCHMIDT, J.W., SCHOENHEINZ, H.
   1 FEHLERSCHRANKEN ZUM DIFFERENZENVERFAHREN UNTER
        AUSSCHLIESSLICHER BENUTZUNG VERFUGBARER GROSSEN, ARCH.
        RAT. MECH. ANAL. 10 (1962) 311-322, MR:26-5733 <49.0>
SCHMIDT, P.W.
   1 ASYMPTOTIC EXPANSION OF CERTAIN INTEGRALS CONTAINING THE
        BESSEL FUNCTION J0(X), J. MATH. PHYS. 5 (1964) 1183-1184,
        MR:29-2442 <63.5>
SCHMIEDEN, C.
   1 WIDERSTAND EINER IN EINER FLUSSIGKEIT ROTIERENDEN
        SCHEIBE, ZAMM 8 (1928) 461-479 <113.0>
SCHMITTROTH, L.A.
   1 NUMERICAL INVERSION OF LAPLACE TRANSFORMS, COMM. ACM. 3
        (1960) 171-173, MR:22-7249 <63.0>
SCHNEEK, J.K.   (SEE - CULLER, G.J.)
SCHNEIDER, M.
   1 UBER DIE NAHERUNGSWEISE LOSUNG VON INTEGRALGLEICHUNGEN,
        WISS. Z. HOCHSCH. ARCHITEKTUR BAUWESEN WEIMAR 12 (1965)
        535-537, MR:34-3252 <49.1>

SCHOBER, G.
1 A CONSTRUCTIVE METHOD FOR THE CONFORMAL MAPPING OF
DOMAINS WITH CORNERS, J. MATH. MECH. 16(1967), 1095-1115
<107.0>
SCHOCH, M.
1 INTEGRATION EINER KLASSE LINEARER
DIFFERENTIALGLEICHUNGEN, MATH. Z. 75 (1960/61) 377-384,
MR:23-A377 <10.0, 89.0>
SCHOENBAUM, E.
1 ANWENDUNG DER VOLTERRASCHEN INTEGRALGLEICHUNG IN DER
MATHEMATISCHEN STATISTIK I. II. III., SKAND.
AKTUARIETIDSKR. (1924) 241-273 (1925) 1-23 <123.0>
2 SUR LA METHODE D'ITERATION DE WIARDA ET BUECKNER POUR LE
RESOLUTION DE L'EQUATION DE FREDHOLM, ACAD. ROY. BELG.
BULL. CL. SCI. I. (SER 37) 5 (1951) 1141-1156, II. (SER
38) 5 (1952) 154-167 <49.0>
SCHOENHEINZ, H.   (SEE - SCHMIDT, J.W.)
SCHOLZ, N.
1 BEITRAGE ZUR THEORIE DER TRAGENDE FLACHE, ING.- ARCH. 18
(1950) 84-105, MR:12-554 <27.0, 54.0, 115.0>
SCHRIEFFER, J.R.   (SEE - BARDEEN, J.)
SCHRODER, J.   (SEE ALSO - COLLATZ, L.)
1 STORUNGSRECHNUNG BEI EIGENWERT UND VERZWEIGUNGSAUFGABEN,
ARCH. RATIONAL MECH. ANAL. 1 (1958) 436-468, MR:21-300
<27.0, 54.0>
2 UBER DAS NEWTONSCHE VERFAHREN, ARCH. RAT. MECH. ANAL. 1
(1957) 154-180, MR:20-2072 <49.8>
3 ANWENDUNGEN VON FIXPUNKTSATZEN BEI DER NUMERISCHEN
BEHANDLUNG NICHTLINEARER GLEICHUNGEN IN HALBGEORDNETEN
RAUMEN, ARCH. RAT. MECH. ANAL. 4(1959),177-192,
MR:22-319 <37.3>
SCHRODER, K.
1 UBER DIE PRANDTLSCHE INTEGRO-DIFFERENTIALGLEICHUNG DER
TRAGFLUGELTHEORIE, ABH. PREUSS. AKAD. WISS. MATH.-NAT.
KL. (1939) NO. 16,, MR:2-312 <78.0, 108.0>
2 ZUR THEORIE DER RANDWERTAUFGABEN DER
DIFFERENTIALGLEICHUNG DEL(DEL(U)) = 0, MATH. Z. 48(1943),
553-675, MR:5-67 <104.0>
3 UBER EINE INTEGRALGLEICHUNG ERSTER ART DER
TRAGFLUGELTHEORIE, PREUSS. AKAD. PHYS-MATH. KL. (1938)
345-362 <78.0, 108.0>
SCHUBERT, H.
1 ZUR THEORIE DER RANDWERTAUFGABEN DER
DIFFERENTIALGLEICHUNG, MATH. Z. 48 (1943) 553-675,
MR:5-67 <89.0>
2 UBER EINE LINEARE INTEGRODIFFERENTIALGLEICHUNG MIT
ZUSATZKERN, BER. VERH. SACHS. AKAD. WISS. LEIPZIG.
MATH.-NAT. KL. 97 NO. 7 (1950) 52PP., MR:12-506 <25.0,
78.0, 108.0>
SCHUMITZKY, A.   (SEE ALSO - KAGIWADA, H.H., MCNABB, A.)
1 ON THE EQUIVALENCE BETWEEN MATRIX RICATTI EQUATIONS AND
FREDHOLM RESOLVENTS, J. COMP. SYST. SCI. 2(1968), 76-87
<59.4>

SCHWABE, M.
1 RECHENSCHEMA ZUR BERECHNUNG DER AUFTRIEBVERTEILUNG UBER
DER TRAGFLUGELSPANN WEITE NACH MULTHOPP, LUFTF.-FORSCHG.
15 (1938) 170-180 <50.0, 108.0>
SCHWARTZ, C.
1 APPLICATION OF THE SCHWINGER VARIATIONAL PRINCIPLE FOR
SCATTERING, PHYSICAL REVIEW 141 (1966) 1468-1470,
MR:33-2167 <48.5, 116.3>
2 GENERALIZED EIGENVALUE PROBLEMS, ANN. PHYS. 42 (1967)
367-374, MR:35-3136 <24.5>
3 NUMERICAL TECHNIQUES IN MATRIX MECHANICS, J. COMP. PHYS.
2 (1967) 90-113 <116.3>
4 VARIATIONAL CALCULATIONS OF SCATTERING, ANNALS. PHYS. 16
(1961) 36-50, MR:24-B269 <116.3>
SCHWARZ, H.
1 ZUR ''WAHRSCHEINLICHKEITSTHEORETISCHEN STABILISIERUNG''
BEIM ERNEUERUNGSPROBLEM, MATH. ANN. 118 (1943) 771-779,
MR:6-11 <121.0>
SCHWEIKERT, D.G.   (SEE - CHEN, L.H.)
SCHWINGER, J.   (SEE - LEVINE, H., LIPPMANN, B.A.)
SCRATON, R.E.
1 THE SOLUTION OF INTEGRAL EQUATIONS IN CHEBYSHEV SERIES,
MATH. COMP. 32 (1969) 837-844 <45.4>
SEARS, W.R.
1 SOME ASPECTS OF NONSTATIONARY AIRFOIL THEORY AND ITS
PRACTICAL APPLICATIONS, J. AERO. SCI. 8 (1941) 104-108,
MR:3-94 <108.0>
2 A NEW TREATMENT OF THE LIFTING LINE WING THEORY, WITH
APPLICATIONS TO RIGID AND ELASTIC WINGS, QUART. APPL.
MATH. 6(1948), 239-255, MR:10-270 <108.0>
SEARS, W.R., RESLER, E.L.
1 THEORY OF THIN AIRFOILS IN FLUIDS OF HIGH ELECTRICAL
CONDUCTIVITY, J. FLUID MECH. 5 (1959) 257-273, MR:21-551
<78.0, 108.0>
SEDRAKYAN, D.M.
1 RADIATION OF A UNIFORMLY MOVING FILAMENT TRAVERSING A
METAL SCREEN, Z. TEHN. FIZ. 34 (1964) 718-724 TRANSL.,
SOVIET PHYSICS TECH. PHYS. 9 (1964) 551-554, MR:32-5021
<71.0, 96.0>
SEELEY, R.T.
1 ELLIPTIC SINGULAR INTEGRAL EQUATIONS, IN PROC. SYMP.
MATH. X, AMER. MATH. SOC. (1967) 308-315 <25.0>
2 INTEGRAL EQUATIONS DEPENDING ANALYTICALLY ON A PARAMETER,
I.NEDERL. AKAD. WETENSCH. PROC. SER. A 65= INDAG. MATH.
24 (1962) 434-442. II. NEDERL. AKAD. WETENSCH. PROC.
SER. A 66= INDAG. MATH. 25 (1963) 654. MR:27-6097 <24.5>
3 THE INDEX OF ELLIPTIC SYSTEMS OF SINGULAR INTEGRAL
OPERATORS, J. MATH. ANAL. APPL. 7 (1963) 289-309,
MR:28-2464 <25.0>
SEIDEL, W.   (SEE - PLACZEK, G.)

SEKIGUCHI, H.
    1 A METHOD OF NUMERICAL SOLUTION OF INTEGRAL EQUATIONS
         WHOSE KERNELS HAVE ALMOST DIAGONAL FORM, TOKYO ASTRON.
         OBS. ANN. 9 (1965) 16
SEKIYA, T.   (SEE - YAMAGISHI, T.)
SELENGUT, S.D.
    1 VARIATIONAL ANALYSIS OF MULTI-DIMENSIONAL SYSTEMS,
         HW-59126 QUARTERLY PHYSICS REPT. (OCT.-DEC. 1958)
SELIN, I.   (SEE - MULLIKIN, T.W.)
SELL, G.R.   (SEE - MILLER, R.K.)
SEN, K.K.   (SEE - WILSON, S.J.)
SENTO?, T.B.A.   (SEE - BOWMAN, J.J.)
SENTER, H.   (SEE - EPSTEIN, B.)
SEPEDA, V.JU.   (SEE ALSO - KALAIDA, A.F.)
    1 A GENERALIZED METHOD OF SOLUTION OF LINEAR INTEGRAL
         EQUATIONS OF THE SECOND KIND, DOPOVIDI AKAD. NANK.
         UKRAINIAN RSR SER. A(1968), 127-131, MR:37-1911 <43.0>
    2 A CERTAIN METHOD OF FINDING THE EIGENFUNCTIONS OF
         FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND WITH
         GIVEN DEGREE OF ACCURACY, UKRAIN. MAT. Z. 22(1970),
         53-63, M.R. 41-9463 <54.0>
SERMAN, D.I.
    1 ON A CASE IN THE THEORY OF SINGULAR EQUATIONS, DOKL.
         AKAD. NANK. SSSR (N.S.) 59(1948), 647-650, MR:9-442
         <25.0>
    2 ON METHODS OF SOLUTION OF SOME SINGULAR INTEGRAL
         EQUATIONS, PMM 2 (1948) 423-452, MR:10-305 <25.0>
    3 ON A CASE OF REGULARIZATION OF SINGULAR EQUATIONS, PMM
         15 (1951) 75-82, MR:12-832 <25.0>
    4 ON PROPERTIES OF INFINITE SYSTEMS OF EQUATIONS IN
         PROBLEMS OF TORSION OF CERTAIN DOUBLY CONNECTED PROFILES,
         AKAD. NAUK SSSR PRIKL. MAT. MEH. 17 (1953) 470-476,
         MR:15-232 <35.0, 103.9>
    5 ON BENDING OF A CIRCULAR PLATE, PARTLY SUPPORTED AND
         PARTLY FREE ON THE CONTOUR, DOKL. AKAD. NAUK SSSR (N.S.)
         105 (1955) 1180-1183, MR:18-163 <74.1>
SESTOPAL, A.F.   (SEE - BEREZOVSKII, A.A.)
SESTOPALOV, V.P.   (SEE - SKUPLOV, V.M.)
SETH, B.R.
    1 MIXED BOUNDARY-VALUE PROBLEMS, CALCUTTA MATH. SOC.
         (1958-1959) 79-86, MR:28-2672 <103.1>
SHADOWSKA, D.
    1 SUR UNE EQUATION INTEGRO-DIFFERENTIELLE DE LE THEORIE DE
         LA CONDUCTABILITE, ANN. POLON. MATH. 7 (1959) 81-92
SHAFAI, L.
    1 AN IMPROVED INTEGRAL EQUATION FOR THE NUMERICAL SOLUTION
         OF TWO-DIMENSIONAL DIFFRACTION PROBLEMS, CANADIAN J.
         PHYS. 48(1970), 954-963 <95.2>
SHAIN, I.   (SEE - NICHOLSON, R.S.)
SHAMMA, S.F.
    1 ASYMPTOTIC BEHAVIOR OF STEKLOFF EIGENVALUES AND
         EIGENFUNCTIONS, SIAM J. APPL. MATH. 20(1971), 482-490
         <82.0>

SHAMPINE, L.F.   (SEE ALSO - RUSSEL, R.D., ROARK, A.L.)
1 EXISTENCE OF EIGENVALUES OF INTEGRAL EQUATIONS, SIAM
      REVIEW 13(1971), 209-219 <24.0>
SHAPIRO, J.M.   (SEE - CAMERON, R.H.)
SHARMA, J.L.
1 INTEGRAL EQUATIONS INVOLVING LAME FUNCTIONS OF COMPLEX
      DEGREES, PROC. BENARES MATH. SOC. (N.S.) 4 (1943) 19-25,
      MR:6-63 <87.0>
SHAW, G.L.   (SEE - DANDER, M.)
SHEBALOV, A.M.
1 ON THE WAVE RESISTANCE AND LIFTING FORCE OF A PLANE
      CONTOUR OF ARBITRARY FORM IN UNSTEADY MOTION UNDER A
      FREE SURFACE, PMM 26 (1962) 1104-1111 <109.0>
SHELDON, J.W.
1 NUMERICAL EVALUATION OF INTEGRALS OF THE FORM INT(ALPHA,
      BETA) F(X)G(X)DX, INDUSTRIAL COMPUTATION SEMINAR
      PROCEEDINGS (1950) 74-77, MR:14-91 <41.0>
SHEN, C.N., WANG, H.
1 ANALYSIS OF PIECEWISE LINEAR SYSTEMS BY THE METHOD OF
      INTEGRAL EQUATIONS., TRANS. ASME 86 D (J. BASIC ENGNG.)
      1, 139-144 (1964), MR:17-6233 <12.0, 89.0, 124.0>
SHENG-WANG, W.
1 ON THE SOLUTIONS OF THE HAMMERSTEIN INTEGRAL EQUATIONS,
      BULL. ACAD. POLON. SCI. SER. MATH. 8 (1960) 339- ZB
      93-111 <26.0>
2 ON THE SOLUTIONS OF THE HAMMERSTEIN INTEGRAL EQUATION
      II., DOKL. AKAD. NAUK SSSR, SER. MAT. 154(1964), 9-12,
      TRANSL. SOVIET MATH. 5144 (1964), MR:17-6233 <12.0>
SHENK, N.A.
1 EIGENFUNCTION EXPANSIONS AND SCATTERING THEORY FOR THE
      WAVE EQUATION IN AN EXTERIOR REGION, ARCH. RAT. MECH.
      ANAL. 21 (1966), 120-150, AMR:21-1534 <95.0>
SHERMAN, C.H.   (SEE - WILLIAMS, W.E.)
SHIEH, S.Y.   (SEE - GILBERT, R.P.)
SHIFFMAN, M.
1 GAMES OF TIMING, CONTRIBUTIONS TO THE THEORY OF GAMES,
      VOL. 2, 97-123, ANNALS OF MATHEMATICS STUDIES, NO. 28,
      PRINCETON UNIV. PRESS (1953), MR:15-454 <22.0, 124.0>
SHIFFMAN, M., SPENCER, D.E.
1 THE FORCE OF IMPACT ON A CONE STRIKING A WATER SURFACE,
      COMM. PURE APPL. MATH. 4(1951), 379-417, MR:13-789
      <112.0>
SHINBROT, M.   (SEE ALSO - FRIEDMAN, A.)
1 A CLASS OF DIFFERENCE KERNELS, PROC. AMER. MATH. SOC. 13
      (1962) 399-406, MR:25-1414 <77.0>
2 A GENERALIZATION OF LATTA'S METHOD FOR THE SOLUTION OF
      INTEGRAL EQUATIONS, QUART. APPL. MATH. 16 (1958) 415-421,
      MR:21-2168 <77.0>
3 ON SINGULAR INTEGRAL OPERATORS, J. MATH. MECH. 13 (1964)
      395-406, MR:28-5304 <25.0, 72.1>
4 ON THE INTEGRAL EQUATION OCCURING IN OPTIMIZATION THEORY
      WITH NONSTATIONARY INPUTS, J. MATH. PHYS. 36(1957),
      121-129, MR:19-1206 <124.0>

5   A NONLINEAR EIGENVALUE PROBLEM, II, ARCH. RAT. MECH.
        ANAL. 15(1964), 368-376, MR:28-3349 <27.0>
5   NOTE ON A NONLINEAR EIGENVALUE PROBLEM, PROC. AMER.
        MATH. SOC. 14(1963), 552-559, MR:27-5129 <27.0>
7   ON THE RANGE OF GENERAL WIENER-HOPF OPERATORS, J. MATH.
        MECH. 18(1969), 587-601, MR:40-3375 <72.1>
8   THE SOLUTION OF SOME INTEGRAL EQUATIONS OF WIENER-HOPF
        TYPE, QUART. APPL. MATH. 28(1970), 15-36 <72.1>
9   AN INVERSION FORMULA FOR CERTAIN GENERAL WIENER-HOPF
        OPERATORS, ARCH. RAT. MECH. ANAL. 37(1970), 344-362,
        MR:41-2472 <72.1>
SHIPPY, D.J.   (SEE - RIZZO, F.J.)
SHIPTLIFFE, C.J., STEPHENSON, D.G.
    1 A COMPUTER ORIENTED ADAPTION OF SALZER'S METHOD FOR
        INVERTING LAPLACE TRANSFORMS, J. MATH. PHYS. 40 (1961)
        135-141, MR:27-935 <63.0>
SIDDIQI, M.
    1 ON AN INFINITE SYSTEM OF NON-LINEAR INTEGRAL EQUATIONS.
        (LICHTENSTEIN TYPE), BULL. CALCUTTA MATH. SOC. 24 (1932)
        37 <28.0>
    2 ON THE THEORY OF NON-LINEAR EQUATIONS, PROC. IND. ACAD.
        SCI. SEC. A6 (1937) 83 <28.0>
SIEGEL, R.   (SEE ALSO - PERLMUTTER, M., USISKIN, C.M.)
    1 COMBINED RADIATION AND FORCED CONVECTION FOR FLOW OF A
        TRANSPARENT GAS IN A TUBE WITH SINUSOIDAL AXIAL WALL
        HEAT FLUX DISTRIBUTION, NASA TND-1441(1962), AMR:16-2942
        <120.7>
SIEGEL, R., KESHOCK, E.G.
    1 WALL TEMPERATURES IN A TUBE WITH FORCED CONVECTION,
        INTERNAL RADIATION EXCHANGE, AND AXIAL WALL HEAT
        CONDUCTION, NASA TND-2116(1964), AMR:17-3505 <120.7>
SIEGEL, R., PERLMUTTER, M.
    1 CONVECTIVE AND RADIANT HEAT TRANSFER FOR FLOW OF A
        TRANSPARENT GAS IN A TUBE WITH A GRAY WALL, INT. J. HEAT
        MASS TRANSFER. 5(1962), 639-660 <120.7>
SIEKMANN, J.
    1 NOTE ON AN INTEGRAL EQUATION OCCURING IN STAGNATION
        POINT FLOW, ZAMP 13 (1962) 182-186, MR:25-1347 <11.0,
        89.0, 113.0>
    2 ON A PULSATING JET FROM THE END OF A TUBE, WITH
        APPLICATION TO THE PROPULSION OF CERTAIN AQUATIC ANIMALS,
        J. FLUID. MECH. 15 (1963) 399-418, MR:27-1039
    3 THEORETICAL STUDIES OF SEA ANIMAL LOCOMOTION I.,
        INGENIEUR-ARCH. 31 (1962) 214-228, AMR:17-3424 <111.0>
    4 THEORETICAL STUDIES OF SEA ANIMAL LOCOMOTION II., INGEN.
        ARCH. 32 (1963) 40-50, AMR:17-3425 <111.0>
    5 THE LAMINAR BOUNDARY LAYER ALONG A FLAT PLATE, Z.
        FLUGWISS 10 (1962) 278-281, AMR:16-4711 <11.0, 89.0,
        113.0>
SIEWERT, C.E.   (SEE - ERDMANN, R.C.)
SIH, G.C.   (SEE - KASSIR, M.K.)

SIKORSKI, R.
    1   DETERMINANTS IN BANACH SPACES, STUDIA MATH. (SER.
        SPECJALNA) ZESZYT 1 (1963) 111-116, MR:26-4192 <21.2>
SINGH, R.P.
    1   AN INTEGRAL EQUATION INVOLVING GENERALIZED LEGENDRE
        POLYNOMIALS, MATH. STUDENT 35(1967), 81-84 (1969),
        MR:40-6215 <64.5>
SINGLETON, R.C.
    1   A SHORT BIBLIOGRAPHY ON THE FAST FOURIER TRANSFORM, IEEE
        TRANS. AU-17(1969), 166-170 <63.1>
SINKHORN, R.   (SEE - KNOPP, P.)
SISOV, V.S.
    1   APPLICATIONS OF GROUP ELIMINATION OF UNKNOWNS IN THE
        PROBLEM OF LOCATING EIGENVALUES AND EIGENFUNCTIONS OF A
        LINEAR INTEGRAL OPERATOR WITH SYMMETRIC KERNEL (RUSSIAN),
        Z. VYCISL. MAT. I MAT. FIZ. 2 (1962) 398-410,
        MR:26-1715 <54.0>
SKAL'SKAYA, I.P.   (SEE - LEBEDEV, N.N.)
SKILLMAN, S.   (SEE - HERMAN, F.)
SKRYABINA, L.P.   (SEE - RUTNER, YA.F.)
SKUPLOV, V.M., SESTOPALOV, V.P.
    1   FREDHOLM INTEGRAL EQUATIONS OF THE SECOND KIND IN THE
        PROBLEM OF THE DIFFRACTION OF A PLANE WAVE BY A SLIT,
        DIFFERENCIAL'NYE URAVNENIJA 5(1969), 2173-2199,
        MR:41-7921 <96.2>
SKVORTSOV, E.V., FARZAN, B.H., CHILAP, A.IA.
    1   SOLUTION OF SOME PROBLEMS OF ADJOINING BY REDUCTION TO
        THE GENERALIZED RIEMANN PROBLEM, PMM 27 (1963) 351-355
        TRANSL. J. APPL. MATH. MECH. 27 (1963) 519-526,
        MR:27-6012 <74.5>
SLATER, M.L.
    1   ON THE EQUATION PHI(X)=INT (X,X+1) K(XI) F(PHI(XI)) DXI,
        PACIFIC J. MATH. 20(1967), 155-166, MR:34-6471 <14.6>
SLEEMAN, B.D.
    1   INTEGRAL EQUATIONS AND RELATIONS FOR LAME FUNCTIONS AND
        ELLIPSOIDAL WAVE FUNCTIONS, PROC. CAMB. PHIL. SOC. 64
        (1968) 113-126, MR:36-1941 <87.0>
    2   NON-LINEAR INTEGRAL EQUATIONS FOR HEUN FUNCTIONS, PROC.
        EDIN. MATH. SOC. 16(1968/69), 281-289, MR:41-4169 <87.0>
SLEPIAN, D.
    1   ANALYTIC SOLUTION OF TWO APODIZATION PROBLEMS, J. OPT.
        SOC. AMER. 55 (1965) 1110-1115 <77.7>
    2   PROLATE SPHEROIDAL WAVE FUNCTIONS, FOURIER ANALYSIS, AND
        UNCERTAINTY. IV. EXTENSIONS TO MANY DIMENSIONS:
        GENERALIZED PROLATE SPHEROIDAL FUNCTIONS, BULL. SYMT.
        TECH. J. 43 (1964) 3009-3057, MR:31-5393 <77.7, 87.0>
    3   SOME ASYMPTOTIC EXPANSIONS FOR PROLATE SPHEROIDAL WAVE
        FUNCTIONS, J. MATH. PHYS. 44 (1965) 93-140 <87.0>
SLEPIAN, D., KADOTA, T.T.
    1   FOUR INTEGRAL EQUATIONS OF DETECTION THEORY, SIAM J.
        APPL. MATH. 17(1969), 1102-1117, MR:41-2331 <77.0,
        77.7>

SLEPIAN, D., POLLAK, H.O.
1   PROLATE SPHEROIDAL WAVE FUNCTIONS, FOURIER ANALYSIS AND
        UNCERTAINTY. I., BELL. SYST. TECH. J. 40 (1961) 43-63,
        MR:25-4146 <77.7, 87.0>
SLEPIAN, D., POLLAK, H.O., LANDAU, H.J.
1   PROLATE SPHEROIDAL WAVE FUNCTIONS, FOURIER ANALYSIS, AND
        UNCERTAINTY. II. BELL. SYST. TECH. J. 40 (1961) 65-84
        <77.7, 87.0>
SLONOVSKII, N.V.
1   ASYMPTOTIC EXPANSIONS OF HANKEL TRANSFORMS, IZV. VYSS.
        UCEBN. ZAVED. MATEMATIKA NO. 5 (72) (1968) 86-90,
        MR:37-3287 <63.5>
SLOSS, J.M.   (SEE - FINNILA, R.)
SLUGIN, S.N.
1   APPROXIMATE SOLUTION OF INTEGRAL EQUATIONS GIVEN IN
        IMPLICIT FORM, MAT. SB. N. S. 43 (85) (1957) 3-9,
        MR:20-1180 <49.0>
2   APPROXIMATE SOLUTION OF INTEGRO-DIFFERENTIAL EQUATIONS
        BY CHAPLYGIN'S METHOD, IZV. VYSS. UCEBN. ZAVED. MAT.
        1(1957), 211-221, MR:25-421 <45.8, 57.0>
SMAGINA, V.I.   (SEE ALSO - GAKHOV, F.D.)
1   EXCEPTIONAL CASES OF INTEGRAL EQUATIONS OF CONVOLUTION
        TYPE AND THE CORRESPONDING EQUATIONS OF FIRST KIND IN
        THE CLASS OF FUNCTIONS OF EXPONENTIAL GROWTH, THE
        EQUATIONS OF CLASS (A) THE EQUATION OF CLASS (B), THE
        EQUATION OF CLASS (B), DOKL. AKAD NAUK BSSR 7(1963),
        12-16, MR:31-571 <70.0>
SMETANIN, B.P.   (SEE ALSO - ALEKSANDROV, V.M.)
1   ON A MIXED PROBLEM OF ELASTICITY THEORY FOR A WEDGE,
        APPL. MATH. MECH. 32 (1968) 732-739 <103.9>
SMIRNOW, N.
1   EXISTENCE THEOREM OF NONLINEAR INTEGRAL EQUATIONS, DOKL.
        AKAD. NAUK. SSSR 3 (1936) 203- <28.0>
SMIRNOW, W.I.
1   LEHRGANG DER HOHEREN MATHEMATIK TEIL IV., BERLIN (1958),
        MR:20-5929 < 0.1>
SMITH, A.M.O.   (SEE - HESS, J.L.)
SMITH, M.G.
1   AN APPROXIMATE SOLUTION OF THE ONE-DIMENSIONAL TRANSPORT
        EQUATION, QUART. J. MECH. APPL. MATH. 13 (1960) 119-128,
        MR:22-8673 <119.3>
2   THE ISOTROPIC SCATTERING OF RADIATION FROM A POINT
        SOURCE IN A FINITE SPHERICAL ATMOSPHERE, PROC. CAMB.
        PHILOS. SOC. 61 (1965) 923-937, MR:32-3461 <77.0, 119.0>
3   THE TRANSPORT EQUATION WITH PLANE SYMMETRY AND ISOTROPIC
        SCATTERING, PROC. CAMB. PHILOS. SOC. 60 (1964) 909-921,
        MR:32-327 <119.0>
4   THE ISOTROPIC SCATTERING OF A CONCENTRATED RAY PENCIL
        FROM A POINT SOURCE, PROC. CAMB. PHILOS. SOC. 60(1964),
        105-114, MR:28-1870 <119.0>
5   AN APPROXIMATE SOLUTION OF THE SPHERICALLY SYMMETRIC
        TRANSPORT EQUATION, QUART. J. MECH. APPL. MATH. 16(1963),
        239-252, MR:28-956 <119.0>

SMITH, T.L.   (SEE - STERNBERG, N.)
SMITH, W.L.
  1 ON THE DISTRIBUTION OF QUEUEING TIMES, PROC. CAMB. PHIL.
      SOC. 49 (1953) 449-461, MR:14-993 <71.0, 122.0>
  2 ASYMPTOTIC RENEWAL THEOREMS, PROC. ROY. SOC. EDIN. A
      64(1954), 8-48 <12.0, 121.0>
  3 RENEWAL THEORY AND ITS RAMIFICATIONS, J. ROY. STAT. SOC.
      B 20(1958), 243-302 <12.0, 121.0>
SMITHIES, F.
  1 INTEGRAL EQUATIONS, CAMB. UNIV. PRESS (1958), MR:21-3738
      <01.0>
  2 SINGULAR INTEGRAL EQUATIONS, PROC. LOND. MATH. SOC. (2)
      46 (1940) 409-466, MR:2-100 <70.0>
  3 THE FREDHOLM THEORY OF INTEGRAL EQUATIONS, DUKE MATH. J.
      8 (1941) 107-130, MR:3-47 <21.0>
SMITH-WHITE, W.B.
  1 CONTINUOUSLY INFINITE MATRICES AND THE ALGEBRAIC THEORY
      OF FREDHOLM'S EQUATION, J. AUSTRAL. MATH. SOC. 1
      (1959/1961) 134-142, MR:22-9827
SMOLITSKII, KH.L.   (SEE - MIKHLIN, S.G.)
SNEDDON, I.N.   (SEE ALSO - ERDELYI, A., LOWENGRUB, M.)
  1 A RELATION INVOLVING HANKEL TRANSFORMS WITH APPLICATIONS
      TO BOUNDARY VALUE PROBLEMS IN POTENTIAL THEORY, J. MATH.
      MECH. 14 (1965) 33-40, MR:30-4121 <68.0, 92.1>
  2 DUAL INTEGRAL EQUATIONS WITH TRIGONOMETRIC KERNELS,
      PROC. GLASGOW MATH. ASSOC. 5 (1962) 147-152, MR:25-1412
      <67.1>
  3 DUAL SERIES RELATIONS, MATH. DEPT. REPT., NORTH CAROLINA
      STATE UNIV. RALEIGH (MARCH, 1963) <66.0>
  4 A PROCEDURE FOR DERIVING INVERSION FORMULAE FOR INTEGRAL
      TRANSFORM PAIRS OF A GENERAL KIND, GLASGOW MATH. J. 9
      (1968) 67-77, MR:37-4516 <64.5>
  5 LECTURES ON FRACTIONAL INTEGRATION AND DUAL INTEGRAL
      EQUATIONS, MATH. DEPT. REPT., NORTH CAROLINA STATE UNIV.
      RALEIGH (JUNE, 1962) <97.0, 68.0>
  6 A NOTE ON THE AXIALLY SYMMETRICAL PUNCH PROBLEM,
      MATHEMATIKA 6(1959), 118-119, MR:22-2096 <103.6>
  7 THE RELATION BETWEEN LOAD AND PENETRATION IN THE
      AXISYMMETRIC BOUSSINESQ PROBLEM FOR A PUNCH OF ARBITRARY
      PROFILE, INT. J. ENGRG. SCI. 3 (1965) 47-57, MR:32-651
      <103.6>
  8 THE ELEMENTARY SOLUTION OF DUAL INTEGRAL EQUATIONS,
      PROC. GLASGOW MATH. ASSOC. 4 (1960) 108-110, MR:22-3825
      <67.5>
  9 MIXED BOUNDARY VALUE PROBLEMS IN POTENTIAL THEORY, WILEY
      AND NORTH-HOLLAND (1966), MR:35-6853 <02.0, 66.0,
      67.0>
  10 FOURIER TRANSFORMS, MCGRAW HILL (1951), MR:13-29 <02.0,
      62.1>
  11 THE USE OF TRANSFORM METHODS IN ELASTICITY, MATH. DEPT.
      REPT., N. CAROLINA STATE UNIV., RALEIGH, (NOV., 1964),
      AMR:18-745 <67.0, 103.6>

12   THE INVERSION OF HANKEL TRANSFORMS OF ORDER ZERO AND
          UNITY, GLASGOW MATH. J. 10(1969), 156-161, MR:40-4703
          <62.0>
SNEDDON, I.N., SRIVASTAV, R.P.
    1   DUAL SERIES RELATIONS. I. DUAL RELATIONS INVOLVING
          FOURIER-BESSEL SERIES. PROC. ROY. SOC. EDIN. A 66
          (1962/63) 150-160 (1964), MR:29-3816 <66.2>
SNEDDON, I.N., SRIVASTAV, R.P., MATHUR, S.C.
    1   THE REISSNER-SAGOCI PROBLEM FOR A LONG CYLINDER OF
          FINITE RADIUS, QUART. J. MECH. APPL. MATH. 19(1966),
          123-129, AMR:19-7671 <104.0>
SNOW, C.
    1   THE HYPERGEOMETRIC AND LEGENDRE FUNCTIONS WITH
          APPLICATIONS TO INTEGRAL EQUATIONS OF POTENTIAL THEORY,
          2ND. ED. NAT. BUR. STAND. APPL. MATH SERIES 19 (1952),
          MR:4-197,MR:13-988 <87.0, 90.0>
SOBOLEV, S.L.
    1   REMARKS ON THE NUMERICAL SOLUTION OF INTEGRAL EQUATIONS.
          ACAD. R. P. ROMINE AN. ROMINO-SOVIET SER MAT.-FIZ. (3)
          11 (1957) 5-30, MR:21-439
SOBOLEV, V.V.
    1   A TREATISE ON RADIATIVE TRANSFER, VAN NOSTRAND (1963)
          <119.0>
    2   DIFFUSE IRRADIATION IN A MEDIUM WITH MIRROR REFLECTING
          BOUNDARIES, DOKL. AKAD. NAUK SSSR 136 (1961) 571-574,
          TRANSL. SOVIET PHYSICS DOKLADY 6 (1961) 21-23,
          MR:23-B208 <119.0>
    3   ON THE THEORY OF DIFFUSION OF RADIATION, IZV. AKAD. NAUK
          ARMYAN. SSR SER. FIZ.-MAT. NAUK (1958) NO. 5 33-50,
          MR:21-276 <119.7>
SOFRONOV, I.D.
    1   ON APPROXIMATE SOLUTION OF SINGULAR INTEGRAL EQUATIONS,
          DOKL. AKAD. NAUK SSSR (N.S.) 111 (1956) 37-39, MR:19-66
          <50.0>
    2   ON CERTAIN PROPERTIES OF SINGULAR OPERATORS AND
          SOLUTIONS OF SINGULAR INTEGRAL EQUATIONS, DOKL. AKAD.
          NANK. SSSR (N.S.) 110(1956), 940-942, MR:18-906 <25.0>
SOHNGEN, H.
    1   DIE LOSUNGEN DER INTEGRALGLEICHUNG G(X)=(1/2*PI)* INT(-A,
          A) (X-XI) **(-1) F(XI)DXI UND DEREN ANWENDUNG IN DER
          TRAGFLUGELTHEORIE. MATH. Z. 45(1939), 245-264 <78.0,
          108.0>
SOHNGEN, H., MEISTER, E.
    1   BEITRAG ZUR AERODYNAMIK EINES SCHWENGENDEN GITTERS, I.,
          ZAMM 38(1958ND DEREN ANW
SOKOLNIKOFF, I.S.
    1   SOME NEW METHODS OF SOLUTION OF TWO-DIMENSIONAL PROBLEMS
          IN ELASTICITY, BULL. AMER. MATH. SOC. 48 (1942) 539-555,
          MR:4-122 <74.1>
SOKOLOV, YU.D.
    1   ON SUFFICIENT TEST FOR THE CONVERGENCE OF THE METHOD OF
          AVERAGING OF FUNCTIONAL CORRECTIONS, UKR. MAT. Z.
          17(1965), 91-103, MR:33-1770 <45.6>

2   THE METHOD OF AVERAGING FUNCTIONAL CORRECTIONS, IZDAT.
      'NAUKOVA DUMKA', KIEV(1967), MR:35-3931 <45.6>
1   SUR LA METHODE DU MOYENNAGE DES CORRECTIONS
      FONCTIONELLES, UKRAIN. MAT. Z. 9 (1957) 82-100,
      MR:19-687 <45.6>
2   SUR LA RESOLUTION APPROCHEE DES EQUATIONS INTEGRALES
      LINEAIRES DU TYPE DE VOLTERRA, UKRAIN MAT. Z. 10 (1958)
      193-208, MR:20-7393 <13.0, 45.6>
3   SUR UNE METHODE DE LA RESOLUTION APPROCHEE DES EQUATIONS
      INTEGRALES NON-LINEAIRES A LIMITES VARIABLES, UKRAIN .
      MAT. Z. 10 (1958) 419-433, MR:21-977 <13.0, 45.6>
4   ON A METHOS FOR APPROXIMATE SOLUTION OF SYSTEMS OF
      LINEAR INTEGRAL EQUATIONS, UKRAIN. MAT. ZH. 13 (1961)
      79-87, MR:26-2031 <45.6>
SOKOLOWSKI, M.   (SEE - NOWACKI, W.)
SOLOV'EV, IU.I.   (SEE ALSO - ALEKSANDROV, A.IA.)
1   SOLUTION BY MEANS OF GENERALIZED ANALYTIC FUNCTIONS OF
      THE SPATIAL AXIALLY SYMMETRIC PROBLEM OF THE THEORY OF
      ELASTICITY FOR MULTIPLY CONNECTED FIGURES OF REVOLUTION,
      SOV. PHYS. 11 (1967) 639-641, AMR:20-9165 <74.2>
2   SOLUTION OF THE AXISYMMETRIC PROBLEM OF THE THEORY OF
      ELASTICITY FOR SIMPLE CONNECTED BODIES OF REVOLUTION,
      SOVIET ENG. J. 5(1965) 390-395, AMR:21-2421 <74.2>
3   SOLUTION TO THREE-DIMENSIONAL AXIALLY SYMMETRICAL
      PROBLEM IN THE THEORY OF ELASTICITY FOR MULTIPLE
      CONNECTED BODIES OF REVOLUTION BY MEANS OF GENERALIZED
      ANALYTIC FUNCTIONS, DOKL. AKAD. NANK SSSR 169(1966),
      310-313, AMR:20-6323 <74.2>
4   THE FUNDAMENTAL MIXED PROBLEM OF THE AXISYMMETRIC THEORY
      OF ELASTICITY, PMM 30(1966), 956-962, TRANSL. J. APPL.
      MATH. MECH. 1137-1145, AMR:21-885 <104.5>
SOMMERFIELD, C.M.
1   SOLUTION OF THE INTEGRAL EQUATION FOR V SCATTERING IN
      THE LEE MODEL, J. MATH. PHYS. 6 (1965) 1170-1172,
      MR:31-4413 <116.8>
SONDHEIMER, E.H.   (SEE ALSO - REUTER, G.E.H.)
1   THE THEORY OF THE TRANSPORT PHENOMENA IN METALS, PROC.
      ROY. SOC. LONDON SER. A 203 (1950) 75-98, MR:13-714
      <119.0>
2   THE BOLTZMANN EQUATION FOR ANISOTROPIC METALS, PROC.
      ROY. SOC. SER. A268(1962) 100-108, MR:25-3764 <119.2>
SONG, C.S.
1   TWO-DIMENSIONAL SUPERCAVITATING PLATE OSCILLATING UNDER
      A FREE-SURFACE, J. SHIP RES. 9 NO. 1 (1965) 40-55,
      AMR:17-6515 <109.0>
SPARENBERG, J.A.
1   APPLICATION OF LIFTING SURFACE THEORY TO SHIP SCREWS,
      NEDERL. AKAD. WET. PROC. (AMSTERDAM) SER. B 62 (1959)
      286-298, MR:22-1238 <110.0>
2   APPLICATION OF THE THEORY OF SECTIONALLY HOLOMORPHIC
      FUNCTIONS TO WIENER-HOPF TYPE INTEGRAL EQUATIONS,
      NEDERL. AKAD. WETENSCH. PROC. SER. A. 59= INDAG. MATH.
      18 (1956) 29-34, MR:17-976 <70.0, 72.5>

3   APPLICATIONS OF THE HILBERT PROBLEM TO THE PROBLEMS OF
        MATHEMATICAL PHYSICS, THESIS (1958) <72.5, 74.5>
4   THE INFLUENCE OF SURFACE TENSION ON THE SURFACE WAVES
        INDUCED BY A ROLLING THIN STRIP, NEDERL. AKAD. WET.
        PROC. SER. A 63 (1960) 335-352, MR:22-6263 <112.5>
SPARENBERG, J.A., BRAAKMAN, T.C., BENTHEM, C.
    1   DISCUSSION OF A WIENER-HOPF TYPE INTEGRO-DIFFERENTIAL
        EQUATION, APPL. SCI. RES. B. 6 (1957) 312-322,
        MR:20-1181 <71.0>
SPARROW, E.M.   (SEE ALSO - USISKIN, C.M.)
    1   RADIANT ABSORPTION CHARACTERISTICS OF CONCAVE
        CYLINDRICAL SURFACES, TRANS. ASME 84 C (J. HEAT
        TRANSFER) (1962) 283-293, AMR:16-3557 <120.7>
    2   RADIATION HEAT TRANSFER BETWEEN SURFACES, IN ADVANCES IN
        HEAT TRANSFER VOL. 2 (1965) ACADEMIC PRESS ED. J. P.
        HARTNETT AND T. F. IRVINE 399-452 <120.7>
    3   THE EFFECTIVENESS OF RADIATING FINS WITH MUTUAL
        IRRADIATION, J. AEROSPACE SCI. 28(1961) P763 <120.7>
SPARROW, E.M., ALBERS, L.V., ECKERT, E.R.G.
    1   THERMAL RADIATION CHARACTERISTIC OF CYLINDRICAL
        ENCLOSURES, J. HEAT TRANSFER C84(1962), 73-81 <120.7>
SPARROW, E.M., ECKART, C., JONSSON, V.K.
    1   AN ENCLOSURE THEORY FOR RADIATION EXCHANGE BETWEEN
        SPECULARLY AND DIFFUSELY REFLECTING SURFACES, J. HEAT
        TRANSFER. C84 (1962) 294-300, AMR:17-6045 <120.7>
SPARROW, E.M., ECKERT, E.R.G.
    1   RADIANT INTERACTION BETWEEN FINS AND BASE SURFACES, J.
        HEAT TRANSFER 84(1962) P12, AMR:15-6664 <120.7>
SPARROW, E.M., GREGG, J.L.
    1   RADIANT EMISSION FROM A PARALLEL-WALLED GROOVE, J. HEAT
        TRANSFER C84 (1962) 270-271, AMR:16-1112 <120.7>
SPARROW, E.M., HAJI-SHEIKH
    1   A GENERALIZED VARIATIONAL METHOD FOR CALCULATING RADIANT
        INTERCHANGE BETWEEN SURFACES, TRANS. ASME 87C J. HEAT
        TRANSFER) 1(1965) 103-109, AMR:18-6989 <48.5, 120.7>
SPARROW, E.M., JONSSON, V.K.
    1   ABSORPTION AND EMISSION CHARACTERISTICS OF CONCAVE
        CYLINDRICAL SURFACES, J. HEAT TRANSFER 84 C (1962)
        188-189, AMR:16-3561 <120.7>
    2   RADIANT EMISSION CHARACTERISTICS OF DIFFUSE CONICAL
        CAVITIES, J. OPT. SOC. AMER. 53 (1963) 916-921 <120.7>
    3   THERMAL RADIATION ABSORPTION IN RECTANGULAR-GROOVE
        CAVITIES, J. APPL. MECH. 30 (1963) 237-244, AMR:16-7283
        <120.7>
    4   FLUID FLOW AND CONVECTIVE-RADIATIVE ENERGY TRANSFER IN A
        PARALLEL-PLATE CHANNEL UNDER FREE-MOLECULE CONDITIONS,
        AICHE J. 9(1963) 516-523, AMR:17-1051 <120.7>
SPARROW, E.M., LIM, S.H.
    1   ABSORPTION OF THERMAL RADIATION IN V-GROOVE CAVITIES,
        INT. J. HEAT TRANSFER 5 (1962) 1111-1115, AMR:16-3554
        <120.7>

  2 BOUNDARY LAYERS WITH PRESCRIBED HEAT FLUX - APPLICATION
        TO SIMILTANEOUS CONVECTION AND RADIATION, INTERNAT. J.
        HEAT. MASS TRANSFER 8(1965), 437-448, AMR:18-6240 <120.7>
SPARROW, E.M., MILLER, G.B., JONSSON, V.K.
  1 RADIATING EFFECTIVENESS OF ANNULAR-SPACED RADIATORS,
        INCLUDING MUTUAL IRRADIATION BETWEEN RADIATOR ELEMENTS,
        J. AEROSPACE SCI. 29(1962) 1291-1299, AMR:16-3556 <120.7>
SPENCE, D.A.
  1 A NOTE ON THE LINEARIZED THEORY OF THE TWO-DIMENSIONAL
        JET-FLAP, R.A.E. (FARNBOROUGH) TECH. MEMO NO. AERO. 627
        (1959) <103.0>
  2 A WIENER-HOPF EQUATION ARISING IN ELASTIC CONTACT
        PROBLEMS, PROC. ROY. SOC. SER. A. 305 (1968) 81-92,
        MR:37-2492 <71.0, 103.8>
  3 SELF-SIMILAR SOLUTIONS TO ADHESIVE CONTACT PROBLEMS WITH
        INCREMENTAL LOADING, PROC. ROY. SOC. SER. A. 305 (1968)
        55-80, MR:37-2491 <71.0, 103.8>
  4 THE THEORY OF THE JET-FLAP FOR UNSTEADY MOTION, J. FLUID
        MECH. 10 (1961) 237-258, MR:27-3156 <108.0>
  5 THE LIFT COEFFICIENT OF A THIN JET-FLAPPED WING, PROC.
        ROYAL SOC. A. 238 (1956) 46-68, MR:18-529 <108.0>
  6 SOME SIMPLE RESULTS FOR TWO-DIMENSIONAL JET-FLAP
        AEROFOILS, AERO. QUART. 9(1958) 395-406, MR:21-508
        <108.0>
  7 ASYMPTOTIC SOLUTIONS OF THE FREDHOLM EQUATIONS FOR THE
        CHARGED ANNULAR DISK, MRC REPORT NO. 1039 (1970) <92.5>
SPENCER, D.E.   (SEE - MOON, P., SHIFFMAN, M.)
SPIES, O.R.
  1 SOLUTION OF INTEGRAL EQUATIONS OF MOTION BY SUCCESSIVE
        APPROXIMATIONS, IEEE TRANS. AS-1 (1963) 1385-1395 <49.0>
SPIJKER, M.N.
  1 STABILITY AND CONVERGENCE OF FINITE-DIFFERENCE METHODS,
        THESIS UNIV. OF LEIDEN (1968), MR:39-1118 <17.0>
SPILLERS, W.R.
  1 A SHRINK FIT PROBLEM, J. MATH. AND PHYS. 43 (1964) 65-71,
        MR:28-4707 <103.9>
SPINELLI, R.A.
  1 NUMERICAL INVERSION OF A LAPLACE TRANSFORM, SIAM J. NUM.
        ANAL. 3 (1966) 636-649, MR:35-5124 <63.0>
SPITZER, F.
  1 THE WIENER-HOPF EQUATION WHOSE KERNEL IS A PROBABILITY
        DENSITY, DUKE MATH. J. 24 (1957) 327-343, MR:19-890
        <71.0, 121.0>
  2 THE WIENER-HOPF EQUATION WHOSE KERNEL IS A PROBABILITY
        DENSITY II., DUKE MATH. J 27 (1960) 363-372, MR:22-12559
        <71.0, 121.0>
SPOHN, D.
  1 SUR LES FORMULES A PAS LIES DANS L'INTEGRATION NUMERIQUE
        DES EQUATIONS INTEGRALES DU TYPE DE VOLTERRA, PROC. 4TH
        AFIRO CONGRESS OF COMPUTING AND INFORMATION PROCESSING
        VERSAILLES, FRANCE (1964) DUNOD (1965) 349-356 COMP.
        REV. 6 8637A (1965) <13.0>

SPREITER, J.R.
1   AERODYNAMICS OF WINGS AND BODIES AT TRANSONIC SPEEDS, J.
        AERO/SPACE SCI. 26 (1959) 465-486, MR:21-4704 <108.9>
SPREITER, J.R., ALKSNE, A.Y., HYETT, B.J.
1   THEORETICAL PRESSURE DISTRIBUTIONS FOR SEVERAL
        NONLIFTING AIRFOILS AT HIGH SUBSONIC SPEEDS, NACA TECH.
        NOTE 4148 (1958), AMR:11-3147 <108.6>
SPRINGER, G.   (SEE - SCHIFFER, M.)
SPRUCH, L.   (SEE - BARTRAM, R.)
SREECHARAN, V.P.
1   A WEINER-HOPF INTEGRAL EQUATION, NEDERL. AKAD. WETENSCH.
        PROC. SER. A71, INDAG. MATH. 30(1968), 191-201,
        MR:38-2552 <73.0, 96.0>
SRIDHAR, R.   (SEE - KAGIWADA, H.H.)
SRIVASTAV, R.P.   (SEE ALSO - SNEDDON, I.N.)
1   A PAIR OF DUAL INTEGRAL EQUATIONS INVOLVING BESSEL
        FUNCTIONS OF THE FIRST AND SECOND KIND, PROC. EDIN.
        MATH. SOC. 14 (1964) 149-158, MR:30-4122 <67.5>
2   AN AXISYMMETRIC MIXED BOUNDARY VALUE PROBLEM FOR A
        HALF-SPACE WITH A CYLINDRICAL CAVITY, J. MATH. MECH. 13
        (1964) 385-393, MR:35-1975 <67.5, 92.9>
3   CERTAIN TWO-DIMENSIONAL MIXED BOUNDARY-VALUE PROBLEMS
        FOR WEDGE-SHAPED REGIONS AND DUAL INTEGRAL EQUATIONS,
        PROC. EDIN. MATH. SOC. (2) 14 (1964/65) 321-332,
        MR:33-1676 <67.8, 51.0>
4   DUAL SERIES RELATIONS. II. DUAL RELATIONS INVOLVING DINI
        SERIES, PROC. ROY. SOC. EDIN. SECT. A 66 (1962/63)
        161-172, MR:29-3817 <66.2>
5   A NOTE ON CERTAIN INTEGRAL EQUATIONS OF ABEL-TYPE, PROC.
        EDIN. MATH. SOC. (2) 13 (1962/63) 271-272, MR:27-6096
        <64.5>
6   DUAL SERIES RELATIONS. IV. DUAL RELATIONS INVOLVING
        SERIES OF JACOBI POLYNOMIALS, PROC. ROY. SOC. EDIN.
        SECT. A 66 (1962/63) 185-191, MR:29-3819 <66.7>
7   DUAL SERIES RELATIONS. V. A GENERALIZED SCHLOMILCH
        SERIES AND THE UNIQUENESS OF THE SOLUTION OF DUAL
        EQUATIONS INVOLVING TRIGONOMETRIC SERIES, PROC. ROY.
        SOC. EDIN. A66 (1965) 258-268, MR:30-4113 <66.1>
8   ON CERTAIN INTEGRAL EQUATIONS OF CONVOLUTION TYPE WITH
        BESSEL FUNCTION KERNELS, PROC. EDIN. MATH. SOC. (2) 15
        (1966/67) 111-116, MR:35-4300 <64.5>
SRIVASTAV, R.P., NARAIN, P.
1   A MIXED BOUNDARY VALUE PROBLEM OF ELASTOSTATICS FOR AN
        ISOTROPIC ELASTIC CYLINDER CONTAINING A STRIP CRACK
        OPENED BY INTERNAL PRESSURE, SIAM J. APPL. MATH. 16
        (1968) 1101-1118
2   SOME MIXED BOUNDARY VALUE PROBLEMS FOR REGIONS WITH
        SPHERICAL BOUNDARIES, J. MATH. MECH. 14 (1965) 613-627,
        MR:31-1452 <92.8>
SRIVASTAV, R.P., PARIHAR, K.S.
1   DUAL AND TRIPLE INTEGRAL EQUATIONS INVOLVING INVERSE
        MELLIN TRANSFORMS, SIAM J. APPL. MATH. 16 (1968) 126-133,
        MR:36-5639 <67.8>

SRIVASTAVA, K.N.

1 ON SOME INTEGRAL TRANSFORMS, MATH. JAPAN. 6 (1961/62,
   65-72, MR:27-1785 <64.5>

2 DUAL INTEGRAL EQUATIONS WITH BESSEL FUNCTION AND
   TRIGONOMETRIC KERNELS, PROC. EDIN. MATH. SOC. (2) 13
   (1962/63) 351-354, MR:28-5306 <67.5>

3 A CLASS OF INTEGRAL EQUATIONS INVOLVING ULTRASPHERICAL
   POLYNOMIALS AS KERNEL, PROC. AMER. MATH. SOC. 14 (1963)
   932-940, (ERRATA: IBID. 15(1964), 1000), MR:27-6102,
   MR:31-580 <64.5>

4 ON INTEGRAL EQUATIONS INVOLVING WHITTAKER'S FUNCTION,
   PROC. GLASGOW MATH. ASSOC. 7 (1966) 125-127, MR:32-8097
   <64.5>

5 ON SOME INTEGRAL TRANSFORMS INVOLVING JACOBI FUNCTIONS,
   ANN. POLON. MATH, 16 (1965) 195-199, MR:30-4124 <64.5>

6 A CLASS OF INTEGRAL EQUATIONS INVOLVING JACOBI
   POLYNOMIALS AS KERNEL, PROC. NAT. ACAD. SCI. INDIA SECT.
   A 35 (1965) 221-226, MR:33-6327 <64.5>

7 ON SOME INTEGRAL EQUATIONS INVOLVING JOCOBI POLYNOMIALS,
   MATH. JAPON. 9(1964) 85-88, MR:37-1906 <64.5>

8 A NOTE ON A CLASS OF INTEGRAL EQUATIONS INVOLVING ULTRA
   SPHERICAL POLYNOMIALS AS KERNEL, MATH. JAPON. 9(1964)
   83-84, MR:37-1905 <64.5>

9 ON DUAL INTEGRAL EQUATIONS, PROC. NAT. ACAD. SCI. INDIA
   SECT. A 36(1966) 1042-1044, MR:39-7372 <67.5>

10 ON CERTAIN DUAL INTEGRAL EQUATIONS, J. INDIAN MATH. SOC.
    (N.S.) 29 (1965) 81-86, MR:32-6175 <67.5>

11 ON SOME DUAL INTEGRAL EQUATIONS, J. INDIAN MATH. SOC.
    (N.S.) 28 (1964) 155-162 (1965), MR:32-4493 <67.1>

12 A CLASS OF INTEGRAL EQUATIONS INVOLVING LAGUERRE
    POLYNOMIALS AS KERNEL, PROC. EDINBURGH MATH. SOC. (2)
    15(1966) 33-36, MR:34-3241 <64.5>

13 ON TRIPLE SERIES EQUATIONS INVOLVING SERIES OF JACOBI
    POLYNOMIALS, PROC. EDIN. MATH. SOC. (2) 15 (1967)
    221-231, MR:35-4486 <66.9>

14 INTEGRAL EQUATIONS INVOLVING A CONFLUENT HYPERGEOMETRIC
    FUNCTION AS KERNEL, J. ANALYSE MATH. 13(1964) 391-397,
    MR:32-8066 <64.5>

15 ON SOME TRIPLE SERIES EQUATIONS INVOLVING ULTRA
    SPHERICAL POLYNOMIALS, PROC. NAT. ACAD. SCI. INDIA SECT.
    A 36(1966) 994-1002, MR:39-7371 <66.9>

16 ON SOME TRIPLE INTEGRAL EQUATIONS INVOLVING LEGENDRE
    FUNCTIONS OF IMAGINARY ARGUMENT, J. OF M.A.C.T. 1(1968)
    54-67, MR:39-3262 <67.9>

17 FRACTIONAL INTEGRATION AND INTEGRAL EQUATIONS WITH
    POLYNOMIAL KERNELS, J. LONDON MATH. SOC. 40(1965)
    435-440, MR:31-2573 <64.5>

18 ON SOME SERIES EQUATIONS, PROC. NAT. INST. SCI. INDIA,
    PART A 34(1968), 12-21, MR:40-3222 <66.9>

SPURSHCHIK, L.S.
  1   ON THE EXISTENCE OF A SOLUTION TO THE PROBLEM OF THE
        EQUILIBRIUM OF A CIRCULAR MEMBRANE, PMM 30(1966) 576-579,
        TRANSL. J. APPL. MATH. MECH. 30 (1967) 685-699,
        AMR:20-8411 <104.0>
STAKGOLD, I.
  1   BOUNDARY VALUE PROBLEMS OF MATHEMATICAL PHYSICS. VOL. 1.,
        THE MACMILLAN CO. (1967), MR:34-5602 <02.0>
  2   BOUNDS FOR LINEAR FUNCTIONALS, BULL. AMER. MATH. SOC. 73
        (1967) 180-183, MR:35-764 <48.5>
  3   ON WEINSTEIN'S INTERMEDIATE PROBLEMS FOR INTEGRAL
        EQUATIONS WITH DIFFERENCE KERNELS, J. MATH. MECH.
        19(1969/70), 301-307, MR:40-7890 <54.0, 77.7>
STALLYBRASS, M.P.
  1   ON THE REISSNER-SAGOCI PROBLEM AT HIGH FREQUENCIES, INT.
        J. ENG. SCI. 5 (1967) 689-703, AMR:21-7257 <105.7>
  2   ON A POINTWISE VARIATIONAL PRINCIPLE FOR THE APPROXIMATE
        SOLUTION OF LINEAR BOUNDARY VALUE PROBLEMS, J. MATH.
        MECH. 16(1967), 1247-1286, MR:35-2526 <48.5>
STANISIC, M.M.
  1   ON THE SOLUTION OF AN INTEGRAL EQUATION APPEARING IN THE
        DELTA-WING THEORY, Z. A. M. M. 40(1960), 397-414,
        MR:22-7473 <108.8>
  2   CONCERNING THE INTEGRAL EQUATION OF UNSTEADY MOTION OF A
        DELTA WING IN SUPERSONIC FLIGHT BY MEANS OF THE
        ACCELERATION-POTENTIAL METHOD, J. AEROSPACE SCI.
        28(1961) 343-345, MR:22-6911 <108.8>
STANKOVIC, B.
  1   SUR UN SYSTEME D'EQUATIONS INTEGRALES DUALES, ACAD.
        SERBE SCI. PUBL. INST. MATH. 13 (1959) 95-112,
        MR:24-A990 <67.5>
STECK, G.P.
  1   A UNIQUENESS PROPERTY NOT ENJOYED BY THE NORMAL
        DISTRIBUTION, ANN. MATH. STATIST. 29 (1958) 604-606,
        MR:20-4901 <122.0>
STEELE, C.P.
  1   ON THE ASYMPTOTIC SOLUTION OF A NONHOMOGENEOUS ORDINARY
        DIFFERENTIAL EQUATION WITH A LARGE PARAMETER, QUART.
        APPL. MATH. 23(1965), 193-201, MR:33-376 <85.0>
STEHFEST, H.
  1   ALGORITHM 368 - NUMERICAL INVERSION OF THE LAPLACE
        TRANSFORM (D5), COMM. ACM 13(JAN. 1970), 47-48 <63.0>
STEINBERG, S.
  1   ON THE BODIES OF THE SCATTERING OPERATOR FOR THE
        SCHROEDINGER EQUATION, ARCH. RAT. MECH. ANAL. 38(1970)
        278-289 <116.8>
STENGER, F.
  1   ERROR BOUNDS FOR ASYMPTOTIC SOLUTION OF DIFFERENTIAL
        EQUATIONS. I. THE DISTINCT EIGENVALUE CASE, J. RES. NAT.
        BULL. STAND. B MATH. AND MATH. PHYS. 70B (1966) 167-186.
        II. THE GENERAL CASE, IBID 187-210, MR:36-2901,
        MR:36-2902 <85.0>

STENSTROM, V.
    1   SUR UNE CERTAINE CLASSE D'EQUATIONS INTEGRALES
         SINGULIERES, MATH. SCAND. 9 (1961) 207-228, MR:25-417
         <65.0>
    2   SUR UNE CERTAINE CLASSE D'EQUATIONS INTEGRALES
         SINGULIERES, MATH. SCAND. 6(1958) 263-272, MR:24-A2216
         <65.0>
STEPHENSON, D.G.   (SEE - SHIRTLIFFE, C.J.)
STEPHENSON, J.L.
    1   INTEGRAL EQUATION DESCRIPTION OF TRANSPORT PHENOMENA IN
         BIOLOGICAL SYSTEMS., PROC. 4TH BERKELEY SYMP. MATH.
         STATIST. AND PROB. VOL. IV 335-345 UNIV. CALIF. PRESS
         BERKELEY, CALIF. (1961), MR:25-3795 <123.0>
STERNBERG, E.   (SEE - MUKI, R.)
STERNBERG, E., EUBANKS, R.A., SADOWSKY, M.A.
    1   ON THE AXISYMMETRIC PROBLEM OF ELASTICITY THEORY FOR A
         REGION BOUNDED BY TWO CONCENTRIC SPHERES, PROC. OF THE
         1ST U.S. NATIONAL CONGRESS OF APPL. MECH. CHICAGO (1951)
         209-215, THE AMERICAN SOC. OF M. E. (1952), MR:14-926
         <103.9>
STERNBERG, N., SMITH, T.L.
    1   THE THEORY OF POTENTIAL AND SPHERICAL HARMONICS, UNIV.
         TORONTO PRESS (1944) <02.0, 90.0>
STETTER, H.J.
    1   ASYMPTOTIC EXPANSIONS FOR THE ERROR OF DISCRETIZATION
         ALGORITHMS FOR NONLINEAR FUNCTIONAL EQUATIONS, NUM.
         MATH. 7 (1965) 18-31, MR:30-5505 <46.0>
    2   NUMERICAL APPROXIMATION OF FOURIER TRANSFORMS, NUMER.
         MATH. 8 (1966) 235-249, MR:33-6670 <63.0>
STEVENSON, S.C.   (SEE - BRENNAN, M.J.)
STEWART, C.E.
    1   ON THE NUMERICAL EVALUATION OF SINGULAR INTEGRALS OF
         CAUCHY TYPE, J. SOC. INDUST. APPL. MATH. 8 (1960)
         342-353, MR:22-4928 <41.0, 50.0>
STEWARTSON, K.   (SEE ALSO - BROWN, S.N.)
    1   A NOTE ON LIFTING LINE THEORY, QJMAM 13 (1) (1960) 49-55,
         MR:22-5254 <71.0, 108.0>
    2   MAGNETO-FLUID DYNAMICS OF THIN BODIES IN OBLIQUE FIELDS.
         II., J. APPL. MATH. AND PHYS. 13 (1962) 242-255,
         MR:26-995 <108.0, 111.0>
    3   ON AN INTEGRAL EQUATION, MATHEMATIKA 15 (1968) 22-29,
         MR:37-4519 <76.0>
    4   ON THE FLOW NEAR THE TRAILING EDGE OF A FLAT PLATE. II.,
         MATH. 15 (1969) 106-121 <103.0>
    5   ON THE KUTTA-JOUKOWSKI CONDITION IN MAGNETO-FLUID
         DYNAMICS, PROC. ROY. SOC. SER. A277 (1964) 107-124, MRC
         TECH. SUMMARY REPT. 399 (JUNE,1963), MR:28-4758 <109.0>
STEWARTSON, K., WILLIAMS, P.G.
    1   SELF-INDUCED SEPARATION, PROC. ROY. SOC. A. 312 (1969)
         181-206 <109.0>
STIBBS, D.W.N.   (SEE - BUSBRIDGE, I.W.)

STIBBS, D.W.N., WEIR, R.E.
    1   ON THE H-FUNCTIONS FOR ISOTROPIC SCATTERING, MONTHLY
        NOTICES OF ROYAL ASTRON. SOCIETY 119 (1959) 512-525,
        MR:22-3576 <119.5>
STICKLER, D.C.
    1   TRANSMISSION THROUGH AN INHOMOGENEOUS SHEET. A VOLTERRA
        INTEGRAL EQUATION FORMULATION, REPT. NO. 786 21 (1959)
        OHIO STATE UNIV. RESEARCH FOUND. COLUMBUS ANTENNA LAB
        <101.0>
STICKLER, D.C., HAN, L.S.
    1   THREE LINEAR APPROXIMATIONS TO THE STEFAN-BOLTZMANN
        RADIATION PROBLEM FOR THE PLANE SLABS, REPT. NO. 1104
        101107 11 (JULY,1962) OHIO STATE UNIV. RES. FOUND.
        COLUMBUS,OHIO ANTENNA LAB <119.2>
STIEFEL, E.
    1   ON SOLVING FREDHOLM INTEGRAL EQUATIONS, J. SOC. IND.
        APPL. MATH. 4 (1956) 63-85, MR:19-324 <48.5, 49.1,
        107.0>
STIPPES, M., BECKETT, R.E.
    1   SYMMETRICALLY LOADED CIRCULAR PLATES, J. FRANKLIN INST.
        257 (1954) 465-479, MR:16-423 <104.2>
STOKER, J.J.   (SEE ALSO - PETERS, A.S.)
    1   WATER WAVES: THE MATHEMATICAL THEORY WITH APPLICATIONS,
        INTERSJ. FRANKLIN INST., 257 (1954) 4 <5-479>
STOKES, A.R.
    1   A NUMERICAL FOURIER ANALYSIS METHOD FOR THE CORRECTION
        OF WIDTHS AND SHAPES OF LINES OF X-RAY POWDER
        PHOTOGRAPHS, PROC. PHYS. SOC. 61 (1948) 382-391 <56.0,
        77.7>
STOPA, R.   (SEE - OLBERT, S.)
STRAKHOV, V.N.   (SEE ALSO - BAKUSHINSKII, A.B.)
    1   AN INVERSE PROBLEM IN LOGARITHMIC POTENTIAL THEORY, IVZ.
        AKAD. NAUK SSSR SER. FIZ. ZEMLI (1965) 90-97 (RUSSIAN)
        TRANSL. AS IZV. ACAD. SCI. USSR PHYS. SOLID EARTH (1965)
        49-52, MR:34-1824 <56.0, 90.8>
    2   THE REDUCTION OF THE PROBLEM OF ANALYTIC CONTINUATION IN
        A HORIZONTAL LAYER TO THAT OF THE SOLUTION OF
        CONVOLUTION-TYPE INTEGRAL EQUATION OF THE FIRST KIND
        WITH RAPIDLY DECREASING KERNELS, IZV. AKAD. NAUK SSSR
        SER. GEOFIZ. (1963) 1206-1221, TRANSL. BULL. ACAD. SCI.
        USSR GEOPHY. SER. (1963) 733-739, MR:28-995 <56.0,
        90.8>
STRAND, O.N., WESTWATER, E.R.
    1   STATISTICAL ESTIMATION OF THE NUMERICAL SOLUTION OF A
        FREDHOLM INTEGRAL EQUATION OF THE FIRST KIND, J. ASSOC.
        COMP. MECH. 15 (1968) 100-114 <56.0>
    2   MINIMUM RMS ESTIMATION OF THE NUMERICAL SOLUTION OF A
        FREDHOLM INTEGRAL EQUATION OF THE FIRST KIND, SIAM J.
        NUM. ANAL. 5 (1968) 287-295 <56.0>
STRANG, G.
    1   WIENER-HOPF DIFFERENCE EQUATIONS, J. MATH. MECH. 13
        (1964) 85-96 <35.7>

STRAUER, H.D.   (SEE - MEINARDUS, G.)
STRAUSS, A.
    1   ON A PERTURBED VOLTERRA INTEGRAL EQUATION, J. MATH.
            ANAL. APPL. 30(1970),564-575, MR:41-5906 <11.0>
STREET, R.L.   (SEE - LAROCK, B.E.)
STRICKFADDEN, W.B.   (SEE - BETTS, D.D.)
STROUD, A.H.   (SEE - ROBINSON, S.M.)
STRUBLE, R.A.
    1   DIFFERENTIATION OF SINGULAR INTEGRALS OF CAUCHY TYPE, J.
            SOC. INDUST. APPL. MATH. 8 (1960) 305-308, MR:22-4929
            <50.0>
SUGAR, R., BLANKENBECLER, R.
    1   VARIATIONAL UPPER AND LOWER BOUNDS FOR MULTICHANNEL
            SCATTERING, PHYS. REV. 136 (1964) B472-B491, MR:34-5420
            <48.5, 116.3>
SUHAREVSKII, I.V.   (SEE - POVZNER, A.JA., FEL'D, YA.N.)
SUKHORUKIKH, V.S.   (SEE - BELOTSERKOVSKII, S.M.)
SULEIMANOV, N.V.
    1   SOLUTION OF THE FREDHOLM INTEGRAL EQUATION OF THE FIRST
            KIND BY THE METHOD OF MOMENTS, BASKIR GOS. UNIV. UCEN.
            ZAP. VYP. 20(1965), 49-65, MR:33-1988 <56.0>
SULTANGAZIN, U.M.   (SEE - MARCHUK, G.I.)
SUN, S.-H.
    1   ON THE WIENER-HOPF INTEGRAL EQUATIONS WITH NONNEGATIVE
            KERNELS AND A CLASS OF NONLINEAR SINGULAR INTEGRAL
            EQUATIONS, SCI. SINICA 14 (1965) 1068-1072, MR:36-3094
            <28.0, 76.0>
SUNCHELEEV, P.IA.
    1   THE ELASTIC EQUILIBRIUM OF AN INFINITE TRANSVERSELY
            ISOTROPIC BODY WEAKENED BY AN INTERNAL FLAT CIRCULAR CUT,
            PMM 30(1966) 579-583, TRANSL. J. APPL. MATH. MECH. 30
            (1967) 690-695, AMR:21-90 <103.6>
    2   DEFORMATIONS OF AN EXTENDED TRANSVERSELY ISOTROPIC BODY
            WEAKENED BY AN EXTERNAL CIRCULAR CRACK, INZHENERNYI
            ZHURNAL MEKHANIKA TUERDOGO TELA (1966) 116-113,
            AMR:20-9170 <103.6>
SUNOUCHI, G.-I.
    1   A CLASS OF SINGULAR INTEGRAL EQUATIONS, TOHOKU MATH. J.
            (2) 3 (1951) 220-222, MR:13-752 <50.0, 78.0>
SUTTON, W.G.L.
    1   ON THE EQUATION OF DIFFUSION IN A TURBULENT MEDIUM,
            PROC. ROY. SOC. LONDON SER. A. 182 (1943) 48-75, MR:5-69
            <123.0>
SVEKLO, V.A.
    1   SOLUTION OF A DYNAMIC PROBLEM WITH MIXED BOUNDARY
            CONDITIONS IN THE THEORY OF ELASTICITY FOR A HALF-PLANE,
            PMM 25(1959) 266-273, TRANSL. J. APPL. MATH. MECH.,
            383-393, MR:22-396 <105.8>
SWALEN, J.D., PIERCE, L.
    1   REMARKS ON THE CONTINUED FRACTION CALCULATIONS OF
            EIGENVALUES AND EIGENVECTORS, J. MATH. PHYS. 2 (1961)
            736-739, MR:23-B3141 <54.0>

SWAN, G.W.
    1   THE SEMI-INFINITE CYLINDER WITH PRESCRIBED END
        DISPLACEMENTS, SIAM J. APPL. MATH. 16 (1968) 860-881
        <104.6>
    2   UPSTREAM INFLUENCE EFFECTS IN THE FLOW OF A CONDUCTING
        FLUID OVER AN INSULATING WALL, QUART. J. MECH. APPL.
        MATH. 18 (1965) 243-255, MR:32-5009 <113.0>
SWANN, D.W.
    1   APPLICATIONS AND EXTENSIONS OF THE METHOD OF WIENER-HOPF
        FOR THE SOLUTION OF SINGULAR AND NONSINGULAR INTEGRAL
        AND INTEGRO-DIFFERENTIAL EQUATIONS, TECH. REPT. 87 APPL.
        MATH. AND STAT. LABS (APRIL,1960) STANFORD <70.0>
SYLVESTER, R.J.   (SEE - CORD, M.S.)
SYMM, G.T.   (SEE ALSO - CAMERON, A.)
    1   INTEGRAL EQUATION METHODS IN ELASTICITY AND POTENTIAL
        THEORY, REPT. #MA51, MATH. DIV., NATIONAL PHYSICAL LAB.,
        TEDDINGTON, ENGLAND (1964) <90.2, 104.0>
SZEFER, G.
    1   SOLUTION OF A SET OF DUAL INTEGRAL EQUATIONS, ARCH.
        MECH. STOS. 17 (1965) 537-545, MR:34-3266 <67.5>
    2   SOLUTION OF CERTAIN DUAL INTEGRAL EQUATIONS, ARCH. MECH.
        STOS. 16 (1964) 897-903, MR:31-3805 <67.1>
SZEGO, G.   (SEE - ALBERTONI, S., KAC, M.,
                            KARLIN, S.)
SZ.-NAGY, B.   (SEE - RIESZ, F.)
TABOLSKY, A.V.   (SEE - AKLONIS, J.J.)
TACKLIND, S.
    1   ELEMENTARE BEHANDLUNG VOM ERNEUERUNGSPROBLEM FUR DEN
        STATIONAREN FALL, SKAND. AKTUARIETIDSKR. 27(1944), 1-15,
        28(1945), 68-105, MR:7-207 <121.0>
    2   SUR LE RISQUE DE RUINE DANS DES JEUX INEQUITABLES,
        SKAND. AKTUARIETIDSKR. 25(1942), 1-42, MR:7-209 <121.0>
TADJBAKHSH, I.   (SEE - ODEH, F.M.)
TADJBAKHSH, I., LINIGER, W.
    1   FREE BOUNDARY PROBLEMS WITH REGIONS OF GROWTH AND DECAY,
        IBM (YORKTOWN HEIGHTS) RES. PAPER RC-799 (1962) <120.5>
TAI, C.T.
    1   APPLICATION OF A VARIATIONAL PRINCIPLE TO BICONICAL
        ANTENNAS, J. APPL. PHYS 20(1949), 1076-1084, MR:11-705
        <48.5, 102.0>
TAKACS, L.
    1   INVESTIGATION OF WAITING TIME PROBLEMS BY REDUCTION TO
        MARKOV PROCESSES, ACTA MATH. (BUDAPEST) 6 (1955) 101-129,
        MR:17-51
TAL, A.A.
    1   NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATION OF
        1ST. KIND, UNIV. MARYLAND CSD TR-67-32 <56.0>
    2   THE NUMERICAL SOLUTION OF THE RADIATIVE TRANSFER
        EQUATION, UNIV. MARYLAND CSD TR-67-55 <56.0>
TALENTI, S.
    1   OSSERVAZIONI SOPRA UN'EQUAZIONE INTEGRODIFFERENZIALE DI
        SCHROEDINGER, REND. SEM. MAT. UNIV. PADOVA 39(1967),
        305-330, MR:36-4876,MR:37-1944 <116.0>

TALIPOVA, L.I.   (SEE - FILATOV, A.N.)

TAMARKIN, J.D.
    1 ON FREDHOLM'S INTEGRAL EQUATIONS WHOSE KERNELS ARE
          ANALYTIC IN A PARAMETER, ANN. MATH. 28(1927), 127-152
          <24.5>

TANG, C.L.
    1 HIGH-FREQUENCY DIFFRACTION OF CYLINDRICAL WAVES BY AN
          INFINITE SLIT IN A PLANE SCREEN, CRUFT LAB. TECH. REPT.
          NO. 297 (1959), HARVARD <71.8, 96.5>
    2 ON THE RADIATION PATTERN OF A BASE-DRIVEN ANTENNA OVER A
          CIRCULAR CONDUCTION SCREEN,J. SOC. INDUST. APPL. MATH.
          10(1962) 685-708, MR:27-5487 <71.0, 102.0>

TANNER, R.L., ANDREASON, M.G.
    1 NUMERICAL SOLUTION OF ELECTROMAGNETIC PROBLEMS, IEEE
          SPECTRUM 4(1967) 53-

TAPAROV, I.E.
    1 A DIFFRACTION PROBLEM FOR A GRATING OF ARBITRARY
          PROFILES (RUSSIAN), Z. VYCISL. MAT. I. MAT. FIZ. 5(1965),
          883-893, TRANSL. FOREIGN TECH. DIVISION, WRIGHT
          PATTERSON AFB, OHIO, REPT. NO. FTD-HT-66-170, MR:33-6972
          <95.0>

TATAREMCHIK, V.S.   (SEE - BELOTSERKOVSKII, S.M.)

TAUTZ, G.L.
    1 NON-LINEAR INTEGRAL EQUATIONS IN AN INFINITE DOMAIN AND
          APPLICATION TO BOUNDARY VALUE PROBLEMS, JAHR. D. DEUT.
          MATH. VER. 48(1939), 175- <28.0>

TAVERNINI, L.   (SEE - NOBLE, B.)

TAVKHELIOZE, A.N.   (SEE - BOGORYAD, I.B.)

TAYLOR, J.B.   (SEE - HARTLE, J.B.)

TER-KRIKOROV, A.M.
    1 THE EXISTENCE OF PERIODIC WAVES WHICH DEGENERATE INTO A
          SOLITARY WAVE, P. M. M. 24(1960), 622-636, TRANSL. IN J.
          APPL. MATH. MECH., 930-949 <112.1>
    2 THE SOLITARY WAVE ON THE SURFACE OF A FLUID WITH
          VORTICITY, ZH. VYCH. MAT. 1(1961), 1077-1088, U. S. S.
          R. COMP. MATH. AND MATH. PHYS., 1253-1264 <112.1>
    3 THE NONLINEAR PROBLEM OF THE THEORY OF A SUBMERGED
          AIRFOIL, DOKL. AKAD. NAUK SSSR 119(1958) 1115-1117,
          TRANSL. SOVIET PHYS.-DOKL. 3(1958) 255-258, MR:20-6971
          <109.0>

THEODORSEN, T., GARRICK, I.E.
    1 GENERAL POTENTIAL THEORY OF ARBITRARY WING SECTIONS, N.
          A. C. A. REPT. NO. 452 (1933) <107.0, 108.6>

THIELMAN, H.P.
    1 APPLICATIONS OF THE FIXED POINT THEOREM BY RUSSIAN
          MATHEMATICIANS, IN NONLINEAR INTEGRAL EQUATIONS (ED. P.
          M. ANSELONE) UNIV. WIS. PRESS, 35-48, MR:29-442 <37.5>
    2 ON A CLASS OF SINGULAR INTEGRAL EQUATIONS OCCURRING IN
          PHYSICS, QUART. APPL. MATH. 6(1949), 463-448, MR:10-459
          <76.0>

THIMM, W.
1 ON A CLASS OF INTEGRAL EQUATIONS WHICH PLAY A ROLE IN
PROBABILITY THEORY, VEROFFLICHUNG MATH. INST. TECH.
HOCHSCHULE BRAUNSCHWEIG, 22(1947), NO. 2, PP:11-183
<122.0>
THOE, T.D.   (SEE - DOLPH, C.L.)
THOMAS, D.P.
1 DIFFRACTION BY A MASKED APERTURE, Q. J. M. A. M. 19,
2(1966), 233-245, AMR:20-674 <97.0>
2 DIFFRACTION BY A SPHERICAL CAP, PROC. CAMB. PHIL. SOC.
59(1963), 197-209, MR:26-2157 <97.0>
3 TORSIONAL OSCILLATIONS OF AN ELASTIC HALF-SPACE, Q. J.
M. A. M. 11,1(1968), 51-65, AMR:22-925 <105.7>
4 DIFFRACTION BY TWO COAXIAL APERTURES, QUART. J. MECH.
APPL. MATH. 18(1965), 107-120, MR:30-4482 <97.0>
5 A NOTE ON THE TORSIONAL OSCILLATIONS OF AN ELASTIC
HALF-SPACE, INTER. J. OF ENG. SCI. 6(1968) 565-570,
AMR:22-6037 <105.7>
6 ELECTROMAGNETIC DIFFRACTION BY TWO COAXIAL DISCS, PROC.
CAMB. PHILOS. SOC. 60(1964) 621-634, MR:29-1877 <97.0>
7 ACOUSTIC DIFFRACTION BY AN ANNULAR DISK, INT. J. ENG.
SCI. (1965), 405-416 <92.5, 97.0>
THOMAS,J.
1 UBER EIN INTEGRALGLEICHUNGSSYSTEM AUS DER THEORIE DES
LOGARITHMISCHEN POTENTIALS, J. REINE ANGEW. MATH.
227(1 6), 1-15, MR:33-7805 <77.0>
THOMAS, J.B.   (SEE - REITAN, D.K.)
THOMAS, J.B., ZADEH, L.A.
1 NOTE ON AN INTEGRAL EQUATION OCCURRING IN THE PREDICTION,
DETECTION, AND ANALYSIS OF MULTIPLE TIME SERIES, IRE
TRANS. IT-7(1961), 118-120, MR:27-2071 <56.0, 77.0,
124.0>
THOMAS, R.B.,JR.   (SEE - LUTTINGER, J.M.)
THORNE, C.J.   (SEE - CLAASSEN, R.W.)
THWAITES, B.
1 THE AERODYNAMIC THEORY OF SAILS. PART I. TWO-DIMENSIONAL
SAILS, PROC. ROY. SOC. A 261(1961), 402-422, MR:25-5649
<78.0, 108.0>
TIHONOV, A.N.
1 SOLUTION OF NONLINEAR INTEGRAL EQUATIONS OF THE FIRST
KIND, DOKL. AKAD. NAUK SSSR 156(1964), 1296-1299,
TRANSL. SOVIET MATH. 5(1964), 835-838, MR:29-441 <56.2>
2 ON THE SOLUTION OF ILL-POSED PROBLEMS AND THE METHOD OF
REGULARIZATION, DOKL. AKAD. NAUK SSSR 151(1963), 501-504,
TRANSL. SOVIET MATH. DOKL. 4(1964), 1035-1038,
MR:28-5376 <56.2>
3 ON THE REGULARIZATION OF ILL-POSED PROBLEMS, DOKL. AKAD.
NAUK SSSR 153(1963), 49-52, TRANSL. SOVIET MATH. DOKL.
4(1963), 1624-1627, MR:28-5577 <56.2>
4 ON THE SOLUTION OF INCORRECTLY FORMULATED PROBLEMS AND
THE REGULARIZATION METHOD, JOINT SYMPOS. PARTIAL
DIFFERENTIAL EQUATIONS (NOVOSIBIRSK, 1963), 261-265,
MR:35-2100 <56.2>

TIHONOV, A.N., GLASKO, V.B.
    1 AN APPROXIMATE SOLUTION OF FREDHOLM INTEGRAL EQUATIONS
          OF THE FIRST KIND. Z. VYCISL. MAT. I MAT. FIZ. 4(1964)
          554-571,TRANSL. U. S. S. R. COMP. MATH. AND MATH. PHYS.
          4, 236-247, MR:29-6654 <56.2>
    2 USE OF THE REGULARIZATION METHOD IN NON-LINEAR PROBLEMS.
          ZH. VYCH. MAT. MAT. FIZ. 5(1965), 463-473, U. S. S. R. -
          COMP. MATH. AND MATH. PHYS. 93-107 <56.2>
TIKTOPOULOS, G.   (SEE - JONES, C.E.)
TIKTOPOULOS, G., TREIMAN, S.B.
    1 WEAK-COUPLING LIMIT FOR SCATTERING BY STRONGLY SINGULAR
          POTENTIALS. PHYS. REV. 134(1964), B844-B847,, MR:29-3170
          <- COM>
TIMLAKE, W.P.   (SEE - BARNARD, A.C.L., IKEBE, Y.,
                             LYNN, S.M.)
TIMMAN, R.
    1 LA THEORIE DES PROFILS MINCES EN ECOULEMENT NON
          STATIONNAIRE EN FLUIDES INCOMPRESSIBLE OU COMPRESSIBLE.
          J. MECANIQUE DES FLUIDES, MARSEILLES, (1952) 285-327,,
          MR:16-641 <108.6>
TING, T.C.T.
    1 THE CONTACT STRESSES BETWEEN A RIGID INDENTER AND A
          VISCOELASTIC HALF-SPACE. J. APPL. MECH., TRANS. A. S. M.
          E., SER. E, 33(1966), 845-854, AMR:20-7017 <106.0>
TITCHMARSH, E.C.   (SEE - HARDY, G.H.)
TIVONCHUK
    1 A VARIANT OF THE METHOD OF AVERAGING FUNCTIONAL
          CORRECTIONS FOR SOLVING LINEAR INTEGRAL EQUATIONS OF
          MIXED TYPE. DIFFERENTIAL'NYE URAVNENIYA 2(1966),
          1228-12388, TRANSL. DIFF. EQNS. 636-641
TODD, J.
    1 THE CONDITION OF CERTAIN INTEGRAL EQUATIONS, SYMP.
          NUMERICAL TREATMENT OF ORDINARY DIFFERENTIAL EQUATIONS,
          INTEGRAL AND INTEGRO-DIFFERENTIAL EQUATIONS (ROME, 1960)
          BIRKHAUSER, BASEL, 1960, MR:23-B2579 <59.0>
TODD, J., WARSCHAWSKI, S.E.
    1 ON THE SOLUTION OF THE LICHTENSTEIN - GERSHGORIN
          INTEGRAL EQUATION IN CONFORMAL MAPPING. II., NAT. BUR.
          STAND., APPL. MATH. SER. 42(1955), 31-44, MR:17-540
          <107.0>
TOEPLITZ, O.   (SEE - HELLINGER, E.)
TOLMACHEV, V.V.   (SEE - BOGOLIUBOV, N.N.)
TORALDO DI FRANCIA, G.
    1 IL METODO VARIAZIONALE DI LEVINE E SCHWINGER, APPLICATO
          AGLI SCHERMI A CONDUTTIVITA UNIDIREZIONALE, ATTI ACCAD.
          NAZ. LINCEI. REND. CL. SCI. FIS. MAT. NAT. (8), 21(1956),
          86-91, MR:18-698 <48.5, 97.0>
    2 EGUAZIONI INTEGRIDIFFERENZAILI E PRINCIPIO DI BABINET
          PER GLI SCHERMI PIANI A CONDUTTIVITA UNIDIREZIONALE.
          ATTI ACCAD. NAZ. LINCEI, REND. CL. SCI. FIS. MET. NET.
          20(1956) 476-480, MR:18-442 <97.0>
TRANTER, C.J.   (SEE ALSO - COOKE, J.C.)

1   THE OPENING OF A PAIR OF COPLANAR GRIFFITH CRACKS UNDER
       INTERNAL PRESSURE, Q. J. M. A. M. 14(1961), 283-292,
       MR:23-B2642 <78.0, 103.1>
2   INTEGRAL TRANSFORMS IN MATHEMATICAL PHYSICS, WILEY AND
       METHUEN , THIRD EDITION, (1966) <02.0, 62.1>
3   A FURTHER NOTE ON DUAL INTEGRAL EQUATIONS AND AN
       APPLICATION TO THE DIFFRACTION OF ELECTROMAGNETIC WAVES,
       QUART. J. MECH. APPL. MATH. 7(1954), 317-325, MR:16-372
       <67.5, 96.2>
4   A FURTHER NOTE ON DUAL TRIGONOMETRIC SERIES, PROC.
       GLASGOW MATH. ASSOC. 4(1960), 198-200, MR:23-A466 <65.1>
5   A NOTE ON DUAL EQUATIONS WITH TRIGONOMETRIC KERNELS,
       PROC. EDIN. MATH. SOC. (2), 13(1963), 267-268,
       MR:29-6271 <66.1>
6   AN IMPROVED METHOD FOR DUAL TRIGONOMETRICAL SERIES,
       PROC. GLASGOW MATH. ASSOC. 6(1964), 136-140, MR:29-2594
       <66.1>
7   DUAL TRIGONOMETRIC SERIES, PROC. GLASGOW MATH. ASSOC.
       4(1959), 49-57, MR:23-A465 <66.1>
8   ON SOME DUAL INTEGRAL EQUATIONS, QUART. J. MATH., OXFORD
       SER. (2) 2(1951), 60-66, MR:12-713 <67.5>
9   ON SOME DUAL INTEGRAL EQUATIONS OCCURRING IN POTENTIAL
       PROBLEMS WITH AXIAL SYMMETRY, QUART. J. MECH. APPL.
       MATH. 3(1950), 411-419, MR:12-713 <67.5>
10 ON THE ANALOGY BETWEEN A SERIES CONTAINING JACOBI
       POLYNOMIALS AND THE WEBER-SCHAFHEITLIN INTEGRAL, Q. J.
       MATH. (OXFORD) (2), 13(1962), 215-216, MR:25-5206 <66.0>
11 SOME TRIPLE INTEGRAL EQUATIONS, PROC. GLASGOW MATH.
       ASSOC. 4(1960), 200-203, MR:23-A467 <67.9>
12 SOME TRIPLE TRIGONOMETRICAL SERIES, GLASGOW MATH. J.
       10(1969), 121-125, MR:40-6212 <66.9>
13 A GENERALIZATION OF SONINE'S FIRST FINITE INTEGRAL,
       PROC. GLASGOW MATH. ASSOC. 6(1963), 97-98 <67.0>
TREFFTZ, E.
    1 UBER DIE KONTRAKTION KREISFORMIGER FLUSSIGKEITSSTRAHLEN,
       ZEITS. MATH. PHYS. 64(1916), 34-61 <113.5>
TREIMAN, S.B.   (SEE - BLANKENBECLER, R., KHURI, N.N.,
                         TIKTOPOULOS, G.)
TRENOGIN, V.A.   (SEE - VAINBERG, M.M.)
TRICOMI, F.G.
    1 THE AIRFOIL EQUATION FOR A DOUBLE INTERVAL, Z. ANGEW.
       MATH. PHYSIK 2(1951), 402-406, MR:13-752 <78.0, 108.0>
    2 INTEGRAL EQUATIONS, INTERSCIENCE (1954), MR:20-1177
       <01.0>
    3 EQUAZIONI INTEGRALI SINGOLARI DEL TIPO DI CARLEMAN, ANN.
       MAT. PURA APPL. (4), 39(1955), 229-244, MR:18-50 <78.0>
    4 ON THE FINITE HILBERT TRANSFORMATION, QUART. J. MATH.
       (OXFORD) (2), 2(1951), 199-211, MR:13-231 <78.0>
    5 SULLA RISOLUZIONE NUMERICA DELLE EQUAZIONI INTEGRALI DI
       FREDHOLM, REND. ACCAD. LINCEI (5) 33(1924), 483-486,
       33(1924), 26-30 <42.0>

5   EINIGE UNGELOSTE PROBLEME DER KLASSISCHEN ANALYSIS, ABH.
        MATH. SEM. UNIV. HAMBURG 31(1967) 25-32, MR:36-1 <122.0>
TRJITZINSKY, W.J.
    1   GENERAL THEORY OF SINGULAR INTEGRAL EQUATIONS WITH REAL
        KERNELS, TRANS. AMER. MATH. SOC. 46(1939), 202-279,
        MR:1-17 <25.0>
    2   SINGULAR INTEGRAL EQUATIONS WITH COMPLEX VALUED KERNELS,
        ANN. MAT. PURA APPL. (4), 25(1946), 197-254, MR:9-442
        <25.0>
    3   SINGULAR NONLINEAR INTEGRAL EQUATIONS, DUKE MATH. J.
        11(1944), 517-564, MR:6-159 <28.3>
    4   SOME PROBLEMS IN THE THEORY OF SINGULAR INTEGRAL
        EQUATIONS, ANN. OF MATH. (2), 41(1940), 584-619,
        MR:2-100 <25.0>
    5   SINGULAR INTEGRAL EQUATIONS WITH CAUCHY KERNELS, TRANSL.
        AMER. MATH. SOC. 60(1946) 167-214, MR:8-211 <25.0>
    6   SINGULAR INTEGRAL EQUATIONS OF THE FIRST KIND AND THOSE
        RELATED TO PERMUTABILITY AND ITERATION, J. MATH. PURES
        APPL. 26(1947) 283-351 (1948), MR:9-592 <29.0>
    7   MULTIDIMENSIONAL PRINCIPAL INTEGRALS, BOUNDARY VALUE
        PROBLEMS AND INTEGRAL EQUATIONS, ACTA MATH. 84(1950),
        1-128, MR:12-505 <25.0>
TROITSKAJA, E.A.
    1   EIGENVALUES AND EIGENVECTORS OF COMPLETELY CONTINUOUS
        OPERATORS (RUSSIAN), IZV. VYSS. UCEBN. ZAVED.
        MATHEMATIKA NO. 3, 22(1961), 148-156, MR:27-4076 <54.0>
    2   APPLICATION OF THE GENERAL THEORY OF APPROXIMATION
        METHODS TO THE PROBLEM OF DETERMINATION OF PROPER VALUES
        AND PROPER VECTORS, DOKL. AKAD. NAUK SSSR (N.S.) 113
        (1957) 998-1001, M. R. C. TECH. REPT. NO. 665, (1966),
        MR:19-770 <54.0>
    3   SOME APPLICATIONS OF THE GENERAL THEORY OF APPROXIMATION
        TO THE PROBLEM OF EIGEN-ELEMENTS OF NON-LINEAR OPERATORS,
        SIBIRSK. MAT. Z. 2(1961) 454-466, MR:23-A3464 <54.0>
TRUELL, R.   (SEE - EINSPRUCH, N.G., WATERMAN, P.C.)
TSAKONAS, S., CHEN, C.Y., JACOBS, W.R.
    1   EXACT TREATMENT OF THE HELICOIDAL WAKE IN THE PROPELLER
        LIFTING-SURFACE THEORY, J. SHIP RESEARCH 11(1967)
        154-169, AMR:21-2039 <109.0>
TSAKONAS, S., JACOBS, W.R.
    1   UNSTEADY LIFTING SURFACE THEORY FOR A MARINE PROPELLER
        OF LOW PITCH ANGLE WITH CHORDWISE LOADING DISTRIBUTION,
        J. SHIP RES. NO. 2, 9(1965), 73-101, AMR:17-4674 <109.0>
TSAKONAS, S., JACOBS, W.R., RANK, P.H.JR.
    1   UNSTEADY PROPELLER LIFTENG-SURFACE THEORY WITH FINITE
        NUMBER OF CHORDWISE MODES, J. SHIP RESEARCH 12(1968)
        14-45, AMR:22-4450 <109.0>
TSEITLIN, A.I.
    1   ON THE METHODS OF DUAL INTEGRAL EQUATIONS AND DUAL
        SERIES AND THEIR APPLICATION TO PROBLEMS OF MECHANICS,
        P. M. M. 30(1966), 259-270, TRANSL. J. APPL. MATH. MECH.
        322-333, MR:36-630 <66.0, 67.8>

2 ON CERTAIN HANKEL TRANSFORMS, DIFFERENTIAL'NYE UPAV.
1(1965), 1647-1651, TRANSL. DIFFL. EQNS., 1296-1299
<62.0>

3 ON A CLASS OF DUAL INTEGRAL EQUATIONS, DIFFERENTIAL'NYE
URAVNENIYA, 2(1966), 1134-1136, TRANSL. DIFF. EQNS.,
587-588 <67.8>

TSUJI, M.
1 ON AN INTEGRAL EQUATION WITH A KERNEL K(X,Y) CONTAINED
IN L**P (1 LESS THAN P LESS THAN OR EQUAL TO 2), JAP. J.
MATH. 23(1953), 1-14(1954), MR:17-1215 <21.0>

TU , Y.-O., GAZIS, D.C.
1 THE CONTACT PROBLEM OF A PLATE PRESSED BETWEEN TWO
SPHERES, TRANS. ASME 31E, (J. APPL. MECH.) (1964),
659-666, AMR:18-3958 <103.7>

TUCK, E.O.
1 ON LINE DISTRIBUTIONS OF KELVIN SOURCES, J. SHIP. RES.
NO. 2, 8(1964), 45-52, MR:30-5613 <110.0>

2 A SYSTEMATIC ASYMPTOTIC EXPANSION PROCEDURE FOR SLENDER
SHIPS, J. SHIP RES. 8(1964/65) NO. 1, 15-23, MR:30-5612
<110.0>

TUKEY, J.W.   (SEE - BINGHAM, C., COOLEY, J.W.)
TURCIN, V.F.
1 THE CHOICE OF AN ENSEMBLE OF SMOOTH FUNCTIONS IN THE
SOLUTION OF THE INVERSE PROBLEM, Z. VYCISL. MAT. I. MAT.
FIZ. 8(1968), 230-238, MR:37-3665 <56.0>

2 THE SOLUTION OF FREDHOLIN'S EQUATION CF THE FIRST KIND
IN THE STATISTICAL ENSEMBLE OF SMOOTH FUNCTIONS, Z.
VYCISL. MAT. I MAT. FIZ. 7(1967) 1270-1284, MR:36-4849
<56.0>

TURNER, R.E.L.
1 SOME VARIATIONAL PRINCIPLES FOR A NONLINEAR EIGENVALUE
PROBLEM, J. MATH. ANAL. APPL. 17(1967; 151-160,
MR:35-788 <24.5>

TWERSKY, V.   (SEE ALSO - BURKE, J.E.)
1 SCATTERING OF WAVES BY TWO OBJECTS, ELECTROMAGNETIC
WAVES, UNIV. OF WISCONSIN PRESS, 1962, 361-389,
MR:24-B216 <95.0>

TWOMEY, S.
1 ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS
OF THE FIRST KIND BY THE INVERSION OF THE LINEAR SYSTEM
PRODUCED BY QUADRATURE, J. ASSOC. COMP. MACH. 10(1963),
97-101, MR:29-6655 <56.2>

2 THE APPLICATION OF NUMERICAL FILTERING TO THE SOLUTION
OF INTEGRAL EQUATIONS ENCOUNTERED IN INDIRECT SENSING
MEASUREMENTS, J. FRANKLIN INST. 279(1965), 95-109,
MR:31-5358 <56.2>

UENO, S.
1 THE INVARIANT IMBEDDING METHOD FOR TRANSPORT PROBLEMS.
II. RESOLVENT IN PHOTON DIFFUSION EQUATION, J. MATH.
ANAL. APPL. 3(1961), 361-372, MR:29-3212 <119.7>

UFLIAND, IA.S.   (SEE ALSO - KUZ'MIN, IU.N., LEBEDEV, N.N.,
PUPYREV, V.A., RUKHOVETS, A.N.)

1   CONTACT PROBLEM OF ELASTICITY THEORY, P. M. M. 20(1956),
        578-587, MR:19-481 <103.8>
2   ELASTIC EQUILIBRIUM OF AN INFINITE BODY WEAKENED BY AN
        EXTERNAL CIRCULAR CRACK, P. M. M. 23(1959), 101-108,
        TRANSL. J. APPL. MATH. MECH., 134-144, MR:21-6764 <103.6>
3   ON TORSIONAL VIBRATIONS OF HALF-SPACE, P. M. M. 25(1961),
        159-163, TRANSL. J. APPL. MATH. MECH. 228-233,
        MR:23-B1760 <105.7>
4   INTEGRAL EQUATION FOR THE BENDING OF A SECTIONAL PLATE
        WITH CLAMPED RADII, DOKL. AKAD. NAUK SSSR (N. S.)
        72(1950) 251-254, MR:11-628 <104.3>
5   INTEGRAL TRANSFORMS IN PROBLEMS OF ELASTICITY THEORY,
        IZDAT. AKAD. NAUK SSSR, MOSCOW, 1963, MR:29-6681 <02.0,
        62.1>

ULITKO, A.F.   (SEE - GRINCHENKO, V.T.)
ULLMAN, N., ULLMAN, R.
    1   NUMERICAL SOLUTION OF SINGULAR FREDHOLM EQUATIONS, J.
        MATH. PHYS. 7(1966), 1743-1748, MR:36-3524 <45.0>
ULLMAN, R.   (SEE - ULLMAN, N.)
ULM, S.
    1   ITERATIVE METHODS OF SOLVING A NONLINEAR EQUATION BASED
        ON LINEARIZATION BY THE NEWTON INTERPOLATION FORMULA,
        ESTI NSV TEAD. AKAD. TOIMETISED FUUS.-MAT. TEHN.-TEAD.
        SCER. 12(1963) 384-390, TRANSL., M. R. C. TECH. REPT.
        NO. 680, 1966, MR:28-1734 <49.8>
UMEDA, K.
    1   ZUR BLOCHSCHEN INTEGRALGLEICHUNG, SCI. PAPERS INST.
        PHYS. CHEM. RES. 39(1942), 342-347, MR:11-598 <14.6,
        123.0>
UNAL, B.C.   (SEE - BELINFANTE, J.G.)
URSELL, F.
    1   NOTES ON THE LINEAR THEORY OF INCOMPRESSIBLE FLOW ROUND
        SYMMETRICAL SWEPT-BACK WINGS AT ZERO LIFT, THE
        AERONAUTICAL QUARTERLY 1(1949), 101-122 <108.8>
    2   ON KELVIN'S SHIP-WAVE PATTERN, J. FLUID MECH. 8(1960),
        418-431, MR:22-5262 <110.0>
    3   ON THE RIGOROUS FOUNDATION OF SHORT-WAVE ASYMPTOTICS,
        PROC. CAMB. PHIL. SOC. 62(1966), 227-244, MR:33-3580
        <95.5>
    4   SLENDER OSCILLATING SHIPS AT ZERO FORWARD SPEED, J.
        FLUID MECH. 14(1962), 496-516, MR:27-3158 <110.0>
    5   THE TRANSMISSION OF SURFACE WAVES UNDER SURFACE
        OBSTACLES, PROC. CAMB. PHIL. SOC. 57(1961), 638-668,
        MR:23-B705 <112.5>
    6   CREEPING MODES IN A SHADOW, PROC. CAMB. PHIL. SOC. 64
        (1968) 171-191, MR:36-2359 <95.5>
URWIN, K.M.
    1   INTEGRAL EQUATIONS FOR THE PARABOLOIDAL WAVE FUNCTIONS.
        I, II, QUART. J. MATH. (OXFORD) SER (2) 15(1964),
        309-315, 16(1965), 257-262, MR:31-5961,MR:33-5961 <A7.0>
URYSOHN, P.
    1   ON A TYPE OF NON-LINEAR INTEGRAL EQUATION, MAT. SB.
        31(1924), 236 <28.0>

USISKIN, C.M., SIEGEL, R.
   1   THERMAL RADIATION FROM A CYLINDRICAL ENCLOSURE WITH
       SPECIFIED WALL HEAT FLUX, J. HEAT TRANSF. C82(1960),
       369-374 <120.7>
USISKIN, C.M., SPARROW, E.M.
   1   THERMAL RADIATION BETWEEN PARALLEL PLATES SEPERATED BY
       AN ABSORBING-EMITTING NONISOTHERMAL GAS, INTER. J. HEAT
       TRANSFER 1(1960) 28-36, AMR:14-1000 <120.7>
USLENGHI, P.L.E.   (SEE - BOWMAN, J.J.)
USPENSKI, J.A.B.   (SEE - BUDAK, B.M.)
USTINOV, IU.A.   (SEE - ALEKSANDROV, V.M., VOROVICH, I.I.)
VAINBERG, A.M.
   1   NONLINEAR EQUATIONS WITH MONOTONE OPERATORS, DOKL. AKAD.
       NAUK SSSR 188(1969), 511-513, MR:40-4629 <26.0, 34.0>
VAINBERG, M.M.   (SEE ALSO - NAZAROV, N.N.)
   1   INTEGRO-DIFFERENTIAL EQUATIONS (RUSSIAN), MATH.
       ANALYSIS. THEORY OF PROBABILITY. CONTROL (1962), 5-37,
       ITOGI NAUKI, AKAD. NAUK SSSR INST. NAUCN. INFORM., MOSCOW,
       1964, MR:31-2578 <17.0, 30.0>
   2   ON THE CONVERGENCE OF THE METHOD OF STEEPEST DESCENTS
       FOR NONLINEAR EQUATIONS, DOKL. AKAD. NAUK SSSR 130(1960)
       9-12, TRANSL., SOVIET MATH. DOKL. 1(1960), 1-4,
       MR:25-751 <26.0, 49.0>
   3   VARIATIONAL METHODS FOR THE STUDY OF NONLINEAR OPERATORS,
       MOSCOW, 1956, TRANSL. HOLDEN-DAY (1964), MR:19-567,
       MR:31-638 <26.0, 48.5>
   4   THE EXISTENCE OF SOLUTIONS OF A SYSTEM OF NONLINEAR
       INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR (N.S.)
       63(1948) 605-608, MR:10-460 <26.0>
   5   THE EXISTENCE OF CHARACTERISTIC FUNCTIONS FOR A CERTAIN
       SYSTEM OF NONLINEAR INTEGRAL EQUATIONS, DOKL. AKAD. NAUK
       SSSR (N.S.) 61(1948) 965-968, MR:10-304 <27.0>
   6   ON THE CHARACTERISTIC VALUES OF SOME SYSTEMS OF
       NONLINEAR INTEGRAL EQUATIONS, USPEHI MATEM. NAUK (N.S.)
       4, NO. 3(31), (1949), 130-132, MR:11-366 <27.0>
   7   EXISTENCE THEOREMS FOR THE CHARACTERISTIC VALUES OF A
       CLASS OF SYSTEMS OF NONLINEAR INTEGRAL EQUATIONS, MAT.
       SBORNIK N.S. 26(1950) 365-394, MR:12-340 <27.0>
   8   THE EXISTENCE OF CHARACTERISTIC FUNCTIONS FOR NONLINEAR
       INTEGRAL EQUATIONS WITH NONPOSITIVE KERNELS, DOKL. AKAD.
       NAUK SSSR (N. S.) 78(1951) 1077-1080, MR:13-248 <27.0>
   9   ON THE VARIATIONAL THEORY OF CHARACTERISTIC VALUES OF
       NONLINEAR INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR
       (N.S.) 80(1951) 309-312, MR:13-353 <27.0>
   10 ON THE CHARACTERISTIC VALUES OF A CLASS OF NONLINEAR
       INTEGRAL EQUATIONS, DOKL. AKAD. NAUK SSSR (N.S.)
       58(1947) 953-956, MR:9-356 <27.0>
   11 ON THE VARIATIONAL THEORY OF CHARACTERISTIC VALUES FOR
       NONLINEAR INTEGRAL EQUATIONS, MAT. SBORNIK N.S. 30(1952)
       3-10, MR:13-658 <27.0>

12   THE EXISTENCE OF CHARACTERISTIC FUNCTIONS FOR NONLINEAR
       INTEGRAL OPERATORS WITH NONPOSITIVE KERNELS AND FOR THE
       PRODUCT OF SELF-ADJOINT AND POTENTIAL OPERATORS, MAT.
       SBORNIK N.S. 32(1953) 665-680, MR:14-1092 <27.0>
13   THE VARIATIONAL THEORY OF THE EIGENFUNCTIONS OF
       NONLINEAR INTEGRAL AND OTHER OPERATORS, TRUDY MOSKOV.
       MAT. OSC. 3(1954), 375-406, MR:16-374 <27.0>
14   SOME PROBLEMS OF FUNCTIONAL ANALYSIS AND THE VARIATIONAL
       METHODS OF STUDYING NONLINEAR EQUATIONS USPEHI MAT. NAUK
       12(1957), 162-165, AMER. MATH. SOC. TRANSL. (2) 16(1960),
       375-378, MR:19-48,MR:22-8370 <27.0, 34.0>
15   ON THE CONVERGENCE OF THE PROCESS OF STEEPEST DESCENT
       FOR NONLINEAR EQUATIONS, SIBIRSK. MAT. Z. 2(1961),
       201-220, MR:23-A4026 <26.0, 49.0>
16   NONLINEAR EQUATIONS WITH POTENTIAL AND MONOTONE
       OPERATORS, DOKL. AKAD. NAUK SSSR 183:1968), 747-749,
       MR:39-832 <26.0>

VAINBERG, M.M., KACHUROVSKII, R.I.
 1   ON THE VARIATIONAL THEORY OF NONLINEAR OPERATORS AND
       EQUATIONS, AKAD. NAUK SSSR DOKL. 129(1966), 1199-1202,
       TRANSL. K. P. C. REPT. NO. 666, AUG (1966) <26.0, 34.0>

VAINBERG, M.M., TRENOGIN, V.A.
 1   THE LYAPUNOV AND SCHMIDT METHODS IN THE THEORY OF
       NONLINEAR EQUATIONS AND THEIR SUBSEQUENT DEVELOPMENT
       (RUSSIAN), USPEHI MAT. NAUK 17(1962), 13-75, MR:27-4071
       <28.0, 34.0>

VAINIKKO, G.M.
 1   ASYMPTOTIC EVALUATIONS OF THE ERROR OF PROJECTION
       METHODS FOR THE EIGENVALUE PROBLEM, Z. VYCISL. MAT. I
       MAT. FIZ. 4(1964) 405-425, TRANSL. U. S. S. R. COMP.
       MATH. AND MATH. PHYS. 9-36, MR:31-615 <54.0>
 2   EVALUATION OF THE ERROR OF THE BUBNOV-GALERKIN METHOD IN
       AN EIGENVALUE PROBLEM, Z. VYCISL. MAT. I MAT. FIZ.
       5(1965) 587-607, TRANSL. U. S. S. R. COMPUTATIONAL
       MATHEMATICS AND MATHEMATICAL PHYSICS, 1-31, MR:34-5271
       <54.0>
 3   ON THE RATE OF CONVERGENCE OF CERTAIN APPROXIMATION
       METHODS OF GALERKIN TYPE IN EIGEN-VALUE PROBLEMS, IZV.
       VYSS. UCEKN. ZAVED. VRETEMETIKA 2(1966), 37-45,
       MR:33-6924 <54.0>

VAINSHTEIN, L.A.
 1   WAVES OF CURRENT IN A THIN CYLINDRICAL CONDUCTOR. I.
       CURRENTS AND IMPEDANCE OF A TRANSMITTING ANTENNA, SOV.
       PHYS. 29(1959), TRANSL. J. TECH. PHYS. U. S. S. R.
       4(1959), 601-616 <102.0>
 2   WAVES OF CURRENT IN A THIN CYLINDRICAL CONDUCTOR. II.
       THE CURRENT IN A PASSIVE OSCILLATOR, AND THE RADIATION
       OF TRANSMITTING ANTENNA, Z. TEHN. FIZ. 29(1959) 689-699
       TRANSL. J. TECH. PHYS. U. S. S. R. 4(1959), 617-626
       <102.0>

3   CURRENT WAVES IN A THIN CYLINDRICAL CONDUCTOR. III.
     VARIATIONAL METHOD AND ITS APPLICATION TO THE THEORY OF
     IDEAL AND IMPEDANCE CONDUCTORS, Z. TEHN. FIZ. 31(1961)
     29-44, TRANSL. SOV. PHYS.-TECH. PHYS. 6 (1961) 19-29,
     MR:24-B1102 <48.5, 102.0>
4   CURRENT WAVES IN A THIN CYLINDRICAL CONDUCTOR IV. INPUT
     IMPEDANCE OF AN OSCILLATOR AND THE PRECISION OF THE
     FORMULAS, SOV. PHYS. - TECH. PHYS. 6(1961), 30-33 <102.0>

VAKOMCHIK, V.P.
1   ANALYTICAL SOLUTION OF THE INTEGRAL EQUATION OF THE
     OSCILLATIONS OF THIN PROFILES IN A CASCADE, INZH. ZHUR.
     (U. S. S. R.) 5(1965), 555-560, TRANSL. NO. 1832, NAVAL
     SCIENTIF. AND TECH. INF. CENTER ,LONDON, ENGLAND, NOV.
     (1966) <113.0>

VALOV, G.M.
1   SOLUTION OF MIXED PROBLEMS ON THE TORSION OF AN INFINITE
     ELASTIC CYLINDER BY THE METHOD OF DUAL INTEGRAL
     EQUATIONS AND BY DIFFRENTIATION OF THE BOUNDARY
     CONDITIONS, P. M. M. 29(1965), 532-544, TRANSL. J. APPL.
     MATH MECH. , 628-643,, AMR:20-3151 <103.9>

VAN, S.-V.
1   ON THE SOLUTIONS OF THE HAMMERSTEIN INTEGRAL EQUATIONS,
     DOKL. AKAD. NAUK. SSSR 154(1964), 9-12, MR:28-444

VAN BLADEL, J.   (SEE ALSO - EDWARDS, T.W.)
1   LOW-FREQUENCY SCATTERING BY PERFECTLY CONDUCTING
     CYLINDERS (UNPUBLISHED PAPER)
2   ELECTROMAGNETIC FIELDS, MC GRAW HILL (1964)

VAN DANTZIG, D.
1   SOLUTIONS OF THE EQUATION OF HELMHOLTZ IN AN ANGLE WITH
     VANISHING DIRECTIONAL DERIVATIVES ALONG EACH SIDE,
     INDAG. MATH. 20(1958), 384-398 <74.7, 96.7>

VAN DE HULST, H.C.
1   GENERALIZATION OF SOME METHODS FOR SOLVING AN INTEGRAL
     EQUATION OF THE FIRST KIND, BULL. ASTRON. INST.
     NETHERLANDS 10 (1946) 75-79, MR:9-384 <56.0>
2   THE DETERMINATION OF THE LINE PROFILE OF A SPECTRAL LINE,
     BULL. ASTRON. INST. NETHERLANDS 9 342 (1941) 225-228
     <56.0>

VANDERGRAFT, J.S.
1   NEWTON'S METHOD FOR CONVEX OPERATORS IN PARTIALLY
     ORDERED SPACES, SIAM J. NUM. ANALY 4(1967), 406-432,
     MR:36-4846 <49.8>

VAN DE VOOREN, A.I.   (SEE ALSO - VAN SPIEGEL, E.)
1   SOME MODIFICATIONS TO LIFTING SURFACE THEORY, J. ENG.
     MATH 1(1967), 07-101 <108.0>

VAN DE VOOREN, A.I., VAN LINDE, H.J.
1   NUMERICAL CALCULATION OF INTEGRALS WITH STRONGLY
     OSCILLATING INTEGRAND, MATH. COMP. 20 (1966) 232-245,
     MR:33-869 <63.0>

VAN DYKE, M.
1   LIFTING-LINE THEORY AS A SINGULAR-PERTURBATION PROBLEM,
     PMM 29(1964)79-90, TRANSL. J. APPL. MATH. MECH., 90-102,
     MR:30-3642 <81.0, 108.0>

VAN HOVE, L.
 1   SUR L'INTEGRALE DE CONFIGURATION POUR LES SYSTEMS DE
        PARTICULES A UNE DIMENSION, PHYSICA 16 (1950) 137-143,
        MR:12-68 <117.0>
VAN KAMPEN, N.G.
 1   ON THE THEORY OF STATIONARY WAVES IN PLASMAS, PHYSICA 21
        (1955) 949-963, MR:17-690 <119.9>
VAN LINDE, H.J.   (SEE - VAN DE VOOREN, A.I.)
VAN SPIEGEL, E., VAN DE VOOREN, A.I.
 1   ON THE THEORY OF THE OSCILLATING WING IN TWO-DIMENSIONAL
        SUBSONIC FLOW, NATIONAL LUCHTVARTLABORATORIUM, AMSTERDAM,
        REPT. F. 142, (1953), MR:16-87 <108.0>
VARMA, R.S.
 1   AN INVERSION FORMULA FOR THE GENERALISED LAPLACE
        TRANSFORM, PROC. EDINBURGH MATH. SOC. (2), 8(1949),
        126-127, MR:11-661 <62.0>
VARMA, R.S., JAIN, J.L.
 1   QUEUING MODELS, J. MATH. SCI. 2 (1967) 50-74 <122.0>
VASILACHE, S.
 1   NEW BOUNDARY PROBLEMS FOR SOME CLASSES OF
        INTEGRO-DIFFERENTIAL EQUATIONS ON PARTIAL DIFFERENTIAL
        EQUATIONS, REV. MATH. PURES APPL. 5(1960), 251-274,
        MR:26-1614 <17.0>
VASIL'EV, E.N.
 1   A FUNCTION ENCOUNTERED IN DIFFRACTION THEORY, ZH. VYS.
        MAT. MAT. FIZ. 5(1965), 841-851, TRANSL. U. S. S. R.
        COMP. MATH. AND MATH. PHYS., 77-90, MR:33-1497 <41.0>
VASIL'EV, E.N., MATFRIKOVA, L.B.
 1   EXCITATION OF DIELECTRIC BODIES OF REVOLUTION, Z. TEHN.
        FIZ. 35(1965), 1817-1824, TRANSL. SOVIET PHYSICS TECH.
        PHYS. 10(1966), 1401-1406, MR:32-6868 <53.2, 95.0>
VASIL'EV, V.V.
 1   ON THE SOLUTION OF LINEAR INTEGRO-DIFFERENTIAL EQUATIONS
        WITH CONSTANT COEFFICIENTS AND A DEGENERATE KERNEL, P.
        M. M. 13(1949), 207-208, MR:11-184 <30.0>
 2   SOLUTION OF LINEAR GENERALIZED INTEGRODIFFERENTIAL
        EQUATIONS, P. M. M. 15(1951), 609-614, MR:13-354 <30.0>
 3   ON A CLASS OF NONLINEAR INTEGRAL EQUATIONS, IRKUTSK.
        GOS. UNIV. TRUDY. 8(1953), NO. 1, 22-27, MR:17-792
        <26.0, 59.0>
 4   ON THE SOLUTION OF SYSTEMS OF LINEAR HOMOGENEOUS
        GENERALIZED INTEGRO-DIFFERENTIAL EQUATIONS, IRKUTSK.
        GOS. UNIV. TRUDY. 8(1953), NO. 1, 3-8, MR:17-861
VASIL'EVA, A.B.
 1   ON INTEGRAL PERTURBATIONS IN DIFFERENTIAL EQUATIONS WITH
        HIGH FREQUENCY OSCILLATIONS OF THE SOLUTIONS.
        DIFFERENCIAL'NYE URAVNENIJA 1(1965), 717-730, MR:33-3068
        <17.0, 30.0>

VASIL'EVA, A.B., BUTUZOV, V.F.
    1   CERTAIN EIGENVALUE PROBLEMS FOR INTEGRO-DIFFERENTIAL
        EQUATIONS WITH A SMALL PARAMETER IN THE HIGHEST
        DERIVATIVE, DIFFERENTSIAL'NYE URAVNENIJA 1(1965)
        1190-1203, TRANSL. DIFF. EQNS. 1, 932-942, MR:35-697
        <30.0>
    2   ASYMPTOTIC BEHAVIOR OF THE SOLUTION OF AN
        INTEGRODIFFERENTIAL EQUATION WITH A SMALL PARAMETER
        MULTIPLYING THE DERIVATIVE (RUSSIAN), Z. VYCISL. MAT. I
        MAT. FIZ. 4(1964), SUPPL. ,183-191, MR:30-2308 <17.8>
VED, JU.A., PAHYROV, Z.
    1   THE BOUNDEDNESS AND STABILITY OF THE SOLUTIONS OF
        INTEGRO-DIFFERENTIAL EQUATIONS WITH RETARDED ARGUMENTS,
        DIFFERENCIAL'NYE URAVNENIJA 5(1969), 2050-2061,
        MR:40-7759 <17.0>
VED, JU.A., RAZUMPOV, G.
    1   ASYMPTOTIC ESTIMATES OF THE SOLUTIONS OF SECOND ORDER
        NONLINEAR INTEGRO-DIFFERENTIAL EQUATIONS, IZV. AKAD.
        NAUK KIRGIZ. SSR 6(1968), 16-20, MR:40-4715 <17.0>
VEIN, P.R.
    1   THE APLICATION OF NON-UNIQUE SOLUTIONS OF ONE INTEGRAL
        EQUATION TO THE SOLUTION OF ANOTHER, MATH. GAZ. 50(1966),
        147-149, MR:33-4640 <79.0>
VEKUA, N.P.
    1   LINEAR INTEGRO-DIFFERENTIAL EQUATIONS WITH SMALL
        PARAMETERS FOR HIGHER DERIVATIVES, PROBLEMS OF CONTINUUM
        MECHANICS (MUSKHELISHVILI ANNIVERSARY VOLUME), 592-601,
        SIAM PHILADELPHIA, PA., 1961, MR:23-A494 <17.8>
    2   SYSTEMS OF SINGULAR INTEGRAL EQUATIONS, NOORDHOFF,
        (1967), MR:35-2102 <01.0, 25.0>
VELTKAMP, G.W.
    1   THE DRAG ON A VIBRATING AEROFOIL IN INCOMPRESSIBLE FLOW,
        KONINKL NEDERL AKADEMIC VAN WETENSCHAPPEN, SERIES A, 61,
        NO. 3, AND INDAG MATH. 20(1958), NO. 3, 278-297,
        MR:20-5610 <108.6>
VENO, S.   (SEE - BELLMAN, R.)
VERBLUNSKY, S.
    1   ON AN EXPANSION IN EXPONENTIAL SERIES, II, QUART. J.
        MATH. OXFORD SER. (2) , 10(1959), 99-109, MR:21-6496
        <14.6>
VEREEKE, B.J.   (SEE - KAGIWADA, H.H.)
VINOKUROV, V.R.
    1   OPTIMAL CONTROL OF PROCESSES DESCRIBABLE BY INTEGRAL
        EQUATIONS, I., IZV. VYSS. UCEBN. ZAVEJ. MATEMATIKA, NO.
        7, 62(1967), 21-33, NO. 8, 63(1967), 16-23, TRANSL. SIAM
        J.CONTROL, 7(1969), 324-336, 337-345, 346-355,
        MR:36-2035, MR:36-2036, MR:40-824 <123.0>
    2   THE STABILITY OF THE SOLUTION OF A SYSTEM OF VOLTERRA
        INTEGRAL EQUATIONS OF THE SECOND KIND, I, IZV. VYSS.
        UCEBN. ZAVED. MAT. 1(1959), 23-34, MR:23-A3435 <11.0>

3 THE STABILITY OF THE SOLUTION OF A SYSTEM OF VOLTERRA
    INTEGRAL EQUATIONS OF THE SECOND KIND, II, IZV. VYSS.
    UCFKN. ZAVFD. MAT. 2(1959), 50-59, MR:23-A3435 <11.0>
4 STABILITY OF THE SOLUTION OF INFINITE SYSTEM OF
    ALGEBRAIC FQUATIONS OBTAINED BY APPROXIMATING LINEAR
    VOLTERRA INTEGRAL EQUATIONS, IZV. VYSS. UCEN. ZAVED.
    MAT. 4(1963), 33-43, MR:27-4030 <13.0>
5 APPROXIMATION OF QUASI-LINEAR VOLTERRA INTEGRAL
    EQUATIONS BY ALGEBRAIC EQUATIONS, IZV. VYSS. UCEKN.
    ZAVED. MAT. 6(1963), 39-48, MR:28-1457 <13.0>
6 APPROXIMATION ON AN INFINITE INTERVAL TO A SYSTEM OF
    VOLTERRA INTEGRAL EQUATIONS BY A SYSTEM OF ALGEBRAIC
    EQUATIONS, IZV. VYSS. UCEBN. ZAVED. MAT. 5(1963), 24-29,
    MR:29-261! <13.0>
7 A METHOD OF INVESTIGATING THE ASYMPTOTIC PROPERTIES OF
    THE RESOLVENT OF A SYSTEM OF VOLTERRA INTEGRAL EQUATIONS,
    IZV. VYSS. UCEKN. ZAVED. MAT. 6(1964), 24-31,
    MR:30-4127 <10.0>
8 THE ASYMPTOTIC BEHAVIOR OF SOLUTIONS OF A CLASS OF
    VOLTERRA'S INTEGRO-DIFFERENTIAL EQUATIONS,
    DIFFERENCIAL'NYE URAVNENIJA 3(1967), 1732-1744,
    MR:36-5644 <17.0>
9 A METHOD OF APPROXIMATION TO UNBOUNDED SOLUTIONS OF A
    SYSTEM OF QUASI-LINEAR VOLTERRA INTEGRAL EQUATIONS, IZV.
    VYSS. UCEKN. ZAVED. MAT. 3(1965), 46-50, MR:31-6105
    <11.0>
10 POSITIVE AND MONOTONE SOLUTIONS OF VOLTERRA INTEGRAL
    EQUATIONS, IZV. VYSS.UCEKN. ZAVED. MAT. 4(1967), 40-46,
    MR:35-3392 <11.0>
11 THE ORDER OF EXPONENTIAL GROWTH OF A SOLUTION OF A
    SYSTEM OF LINEAR VOLTERRA INTEGRAL EQUATIONS, IZV. VYSS.
    UCEBN. ZAVED. MAT. 2(1965), 24-29, MR:35-2101 <10.0>
12 A METHOD FOR THE APPROXIMATION OF UNBOUNDED SOLUTIONS OF
    A SYSTEM OF QUASILINEAR VOLTERRA INTEGRAL EQUATIONS,
    IZV. VYSS. UCEBN. ZAVED. MAT. 46(1965),46-50, TRANSL.
    AMER. MATH. SOC. 91(1970), 207-212 <13.0>
13 VOLTERRA INTEGRAL EQUATIONS WITH INFINITE INTERVAL OF
    INTEGRATION, DIFFERENCIAL'NYE URAVNENIJA 5(1969),
    1894-1898, MR:40-7747 <11.0>
14 CERTAIN QUESTIONS IN THE THEORY OF THE STABILITY OF
    SYSTEMS OF VOLTERRA INTEGRAL EQUATIONS I. II, IZV.
    VYSS. UCEBN ZAVED MAT. 6(1963), 24-34, IBID. 7, 28-38,
    MR:40-47074-B <10.0>
VISCONTI, A.
  1 APPLICATIONS A THEORIE QUANTIQUE DES CHAMPS D'UNE
    SOLUTION EXACTE DE CERTAINES EQUATIONS LINEAIRES
    OPERATORIELLES, J. PHYS. RADIUM (8), 16(1955), 1-15,
    MR:17-693 <116.0>
VLADIMIROV, V.S.
  1 ON A CERTAIN INTEGRO-DIFFERENTIAL EQUATION, IZV. AKAD.
    NAUK SSSR SER. MAT. 21(1957), 3-52 (RUSSIAN), MR:20-2205
    <30.0>

   2 ON THE INTEGRO-DIFFERENTIAL EQUATION OF PARTICLE
       TRANSPORT, IZV. AKAD. NAUK SSSR SER. MAT. 21(1957),
       681-710, (RUSSIAN), MR:20-2206 <30.0, 119.0>
VLASOV, A.A.
   1 MANY PARTICLE THEORY AND ITS APPLICATION TO PLASMAS,
       GORDON AND BREACH (1961) <119.0>
   2 THEORY OF A NEW KIND OF PLASMOID, ZH. TEKH. FIZ. AKAD.
       NAUK SSSR 31(1961), 785-796, TRANSL. SOV. PHYS. TECH.
       PHYS. 6(1962), 569-575, AMR:15-5531 <119.0>
VLASOV, V.K., BAKUSHCHINSKII, A.B.
   1 THE METHOD OF POTENTIALS AND THE NUMERICAL SOLUTION OF
       DIRICHLET PROBLEM FOR THE LAPLACE EQUATION, Z. VYCISL.
       MAT. I MAT. FIZ. 3(1963) 574-580, TRANSL. U. S. S. R.
       COMP. MATH. AND MATH. PHYS., 767-776, MR:27-6400 <53.1,
       90.2>
VOGEL, V.J.
   1 UBER DIE VERZWEIGUNG DER IDENTISCH VERSCHWINDENDEN
       LOSUNG EINER KLASSE NICHTLINEARER INTEGRALGLEICHUNGEN
       VOM HAMMERSTEIN-TYP, ZAMM 47(1967), 83-90, MR:36-634
       <27.0>
   2 UBER DIE HOLOMORPHIC-EIGENSCHAFTEN DER LOSUNG EINER
       INTEGRALGLEICHUNG VON HAMMERSTEIN-TYP IN BEZUG AUF EINEN
       PARAMETER, WISS. Z. FRIEDRICH-SCHILLER-UNIV. JENA
       THURINGEN 14(1965), 435-440, MR:37-6718 <27.0>
   3 UBER DIE VERZWEIGUNGSLOSUNGEN DER IDENTISCH
       VERSCHWINDENDEN LOSUNG EINER KLASSE NICHT LINEARER
       INTEGRALGLEICHUNGEN VOM HAMMERSTEIN-TYP, WISS. Z.
       HOCHSCH. ARCHITEKTUR BAUWESEN WEIMAR 12(1965), 560-561,
       MR:37-5636 <27.0>
   4 EIN KRITERIUM UBER DIE ANZAHL DER VERZWEIGUNGSLOSUNGEN
       NICHT LINEARER HAMMERSTEIN INTEGRALGLEICHUNGEN, WISS. Z.
       TECH. HOCHSCH. ILMENAU. 13(1967), 381-391, MR:39-6035
       <27.0>
   5 UBER EIGENSCHAFTEN DER VERZEIGUNGSGLEICHUNGEN IM
       VERZWEIGUNGSFALL DER TRIVIALEN LOSUNG BEI
       HAMMERSTEINSCHEN INTEGRALGELICHUNGEN, WISS. BEITRAGE
       MARTIN-LUTHER-UNIV. HALLE-WITTENBERG M1(1968/69),
       129-136, MR:39-6036 <27.0>
VOIGT, R.G.
   1 ON A NUMERICAL SOLUTION OF AN INTEGRAL EQUATION WITH
       SINGULARITIES, MATH. COMP. 20(1966), 163-166, MR:33-895
       <50.0>
VOIGT, S.J.
   1 BIBLIOGRAPHY ON THE NUMERICAL SOLUTION OF INTEGRAL AND
       DIFFERENTIAL EQUATIONS AND RELATED TOPICS, APPL. MATH.
       LAB., NAVAL SHIP RES. AND DEV. CENTER, WASH., D. C., NOV
       (1967) <05.0>
VOIT, S.S.
   1 DIFFRACTION FROM A HALF-PLANE OF WAVES GENERATED ON THE
       SOURCE OF A FLUID BY A PERODICALLY ACTING SOURCE, P. M.
       M. 25(1961), 370-374, TRANSL. J. APPL. MATH. MECH.,
       545-553, MR:24-B1436 <112.5>

VOLPATO, M.
  1 SULLA RISOLUZIONE DI UNA PARTICOLARE EQUAZIONE INTEGRALE
       LINEARE DI VOLTERRA, BOLL. UN. MAT. ITAL. (3), 3(1948),
       34-40, MR:10-331 <10.0>
VOLTERRA, E.
  1 ON ELASTIC CONTINUA WITH HEREDITARY CHARACTERISTICS, J.
       APPL. MECH. 18 (1951) 273-279 <106.0>
VOLTERRA, V.
  1 SOPRA UN PROBLEMA DI ELETTROSTATICA <07.0, 48.5>
  2 SULLE EQUAZIONI ALLE DERIVATE FUNZIONALI, ATTI. REALE
       ACCAD. LINCEI, 23(1914), 393-399 <10.0>
  3 SULLE EQUAZIONI INTEGRO-DIFFERENTIALE DELLE TEORIA
       DELL'ELASTICITA, ATTI. REALE ACCAD. LINCEI 18(1909),
       295- <10.0, 105.0>
  4 THEORY OF FUNCTIONALS AND OF INTEGRAL AND
       INTEGRO-DIFFERENTIAL EQUATIONS, BLACKIE (1930) REPRINTED
       DOVER (1959), MR:20-7193 <01.0, 10.0, 17.0>
  5 SUR LA THEORIE MATHEMATIQUE DES PHENOMENES HEREDITAIRES,
       J. DE MATH. PURES ET APPLIQUES 7 (1928) 249-298 <123.0>
  6 LECONS SUR LA THEORIE MATHEMATIQUE DE LA LUTTE POUR LA
       VIE, GAUTHIER-VILLARS (1931) <02.0, 123.0`
  7 LECONS SUR LES EQUATIONS INTEGRALES ET LES EQUATIONS
       INTEGRO-DIFFERENTIELLES, GAUTHIER-VILLARS PARIS (1913)
       <01.0, 10.0, 17.0>
VOLTERRA, V., PERES, I.
  1 THEORIE GENERALE DES FONCTIONELLES, GAUTHIER-VILLARS
       (1936) <01.0, 10.0>
VON KARMAN, TH.
  1 THE ENGINEER GRAPPLES WITH NONLINEAR PROBLEMS, BULL.
       AMER. MATH. SOC. 46 (1940) 615-683, MR:2-167 <124.0>
VON WOLFERSDORF, L.
  1 ABELSCHE INTEGRALGLEICHUNGEN UND RANDWERTPROBLEME FUR
       DIE VERALLGEMEINERTE TRICOMI-GLEICHUNG, MATH. NACHR. 29
       (1965) 161-178, MR:31-6103 <79.5, 94.3>
  2 UBER EINE BEZIEHUNG ZWISCHEN INTEGRALEN NICHTGANZER
       ORDNUNG, MATH. Z. 90 (1965) 24-28, MR:33-524 <78.0,
       83.6>
  3 ZUR LOSUNG DER EINFACHSTEN ZWEIDIMENSIONALEN SINGULAREN
       INTEGRALGLEICHUNG, UNIV. E POLITEC. TORINO REND. SEM.
       MAT. 22 (1962/63) 215-226 (1964), MR:29-2619 <78.0>
VOROBYEV, YU.V.
  1 METHOD OF MOMENTS IN APPLIED MATHEMATICS, GORDON AND
       BREACH, (1965) <44.0>
VOROVICH, I.I.   (SEE - AKBERSENOV, I.A.,
                            ALEKSANDROV, V.M.)
VOROVICH, I.I., KOPASENKO, V.V.
  1 SOME PROBLEMS IN THE THEORY OF ELASTICITY FOR A
       SEMI-INFINITE STRIP, P. M. M. 30(1966), 109-115, TRANSL.
       J. APPL. MATH. MECH. 128-136, AMR:20-6321 <104.6>

VOROVICH, I.I., USTINOV, IU.A.
   1   PRESSURE OF A DIE ON AN ELASTIC LAYER OF FINITE
           THICKNESS, P. M. M. 23, 3(1959), 445-455, TRANSL. J.
           APPL. MATH. MECH., 637-650, MR:22-1157 <103.7>
VOSKRESENSKII, G.V.   (SEE - BOLOTOVSKII, B.M.)
VREUGENHIL, C.B.
   1   NATURAL FREQUENCIES OF FREE VERTICAL SHIP'VIBRATIONS,
           INTERNAT. SHIPBLD. PROGR. 11(1964), 458-480, AMR:18-2742
           <115.0>
VYLEKZHANIN, V.D.
   1   LOWER AND UPPER BOUNDS FOR THE TORSIONAL STIFFNESS OF A
           PRISMATIC BAR IN STEADY CREEP, PMM 31(1967), 730-734,
           TRANSL. J. APPL. MATH. MECH., 744-748, AMR:22-2322
           <106.0>
WACKER, H.
   1   EINE METHODE ZUR NUMERISCHEN LOSUNG VON NICHT LINEAREN
           GLEICHUNGEN FREDHOLMSCHER ART., Z. ANGEW. MATH. MECH.
           49(1969), 691-698, MR:40-6799 <57.0>
WAGNER, C.
   1   ON THE SOLUTION OF FREDHOLM INTEGRAL EQUATIONS OF SECOND
           KIND BY ITERATION, J. MATH. PHYS. 30(1951), 23-30,
           MR:12-862 <49.1>
   2   ON THE NUMERICAL SOLUTION OF VOLTERRA INTEGRAL EQUATIONS,
           J. MATH. PHYSICS 32 (1954) 289-301, MR:15-651 <13.0>
   3   ON THE NUMERICAL EVALUATION OF FREDHOLM INTEGRAL
           EQUATIONS WITH THE AID OF THE LIOUVILLE - NEUMANN SERIES,
           J. MATH. AND PHYS. 30(1952), 232-234, (ALSO P. 300),
           MR:13-693 <20.0, 49.1>
WAHBA, G.
   1   ON THE APPROXIMATE SOLUTION OF FREDHOLM INTEGRAL
           EQUATIONS OF THE FIRST KIND, MRC REPORT NO. 990, U.
           WISCONSIN (1969) <56.0>
   2   ON THE NUMERICAL SOLUTION OF FREDHOLM INTEGRAL EQUATIONS
           OF THE FIRST KIND, STATISTICS DEPT. REPORT NO. 217
           (1969), U. OF WISCONSIN <56.0>
WAIT, J.R.
   1   THEORY OF DIFFRACTION BY A CURVED INHOMOGENEOUS BODY, J.
           MATH. PHYS. 8(1967), 920-925 <95.0>
   2   ADVANCES IN RADIO RESEARCH, J. A. JAXTEN FD. ACADEMIC
           (1964), 157-217 <95.0>
WALL, H.S.
   1   CONCERNING CONTINUOUS CONTINUED FRACTIONS AND CERTAIN
           SYSTEMS OF STIELTJES INTEGRAL EQUATIONS, REND. CIRC.
           MAT. PALERMO (2), 2(1953), 73-84, MR:15-533 <14.0>
WALLER, I.   (SEE - HANSSON, L.)
WALMSLEY, M., COULSON, C.A.
   1   LOWER BOUND ENERGY CALCULATIONS FOR A HYDROGEN MOLECULE,
           PROC. CAMB. PHIL. SOC. 62(1966), 769-776 <117.0>
WALPOLE, L.J.
   1   SOME ELASTOSTATIC AND POTENTIAL PROBLEMS FOR AN ELLIPTIC
           DISC, PROC. CAMB. PHIL. SOC. 67(1970), 225-235 <92.6,
           103.5>

WALTER, W.
1 DIFFERENTIAL - UND INTEGRAL - UNGLEICHUNGEN UND IHRE
    ANWENDUNG BEI ABSCHATZUNGS - UND EINDEUTIGKEITSPROBLEMEN,
    SPRINGER -VERLAG, (1964), MR:30-231 _ <11.0>
2 ON NONLINEAR VOLTERRA INTEGRAL EQUATIONS IN SEVERAL
    VARIABLES, J. MATH. MECH. 16 (1967) 967-985, MR:35-4696
    <11.0>
3 UBER SUKZESSIVE APPROXIMATION BEI
    VOLTERRA-INTEGRALGLEICHUNGEN IN MEHREREN VERANDERLICHEN,
    ANN. ACAD. SCI. FENN. SER. AI NO. 345 (1965), MR:34-1815
    <11.0>
WALTHER, A., DEJON, B.
1 GENERAL REPORT ON THE NUMERICAL TREATMENT OF INTEGRAL
    AND INTEGRO-DIFFERENTIAL EQUATIONS, PROC. SYMP. (ROME)
    BIRKHAUSER VERLAG, (1960), 645-671, MR:23-8602 <05.0>
WALTHER, A., DORR, J., ELLER, E.
1 MATHEMATISCHE BERECHNUNG DER TEMPERATURVERTEILUNG IN DER
    GLASSCHMELZE MIT BERUCKSICHTIGUNG VON WARMELEITUNG UND
    WARMESTRAHLUNG, GLASTECH. BER. 26(1953), 133-140 <123.0>
WANG, A., PING, I.
1 ON THE SOLUTIONS OF FINITE DIMENSIONAL TIME-INVARIANT
    TRANSPORT EQUATIONS, J. FRANKLIN INST. 288(1969),
    115-120, MR:41-780 <119.0>
WANG, C.J.   (SEE - LAWRENCE, H.R.)
WANG, D.P.   (SEE - WU, T.Y.)
WANG, I.-C.
1 A CONTACT STRESS PROBLEM FOR A RIGID SMOOTH SPHERE IN AN
    EXTENDED ELASTIC SOLID, TRANS. ASME 32E, J. APPL. MECH.
    3(1965), 651-655, (COMMENTS BY H. B. WILSON, J. APPL.
    MECH. JUNE (1966) 475-476), AMR:19-1394 <103.4>
WANG, H.   (SEE - SHEN, C.N.)
WANG, N.M.   (SEE - KNOWLES, J.K.)
WANG, S.-W.
1 ON THE SOLUTION OF THE HAMMERSTEIN INTEGRAL EQUATIONS,
    BULL. ACAD. POLON. SCI. SER. SCI. MATH. ASTRONOM. PHYS.
    8(1960), 339-342, MR:23-A2727 <26.0>
2 COMPLETE CONTINUITY AND STRONG CONTINUITY OF URYSOHN
    INTEGRAL OPERATORS, DOKL. AKAD. NAUK. SSSR 151(1963),
    1010-1013, MR:27-2854 <28.0>
3 ON THE SOLUTIONS OF THE HAMMERSTEIN INTEGRAL EQUATIONS,
    DOKL. AKAD. NAUK. SSSR 154(1964), 9-12, MR:28-444 <26.0>
WANG, S.-W., LOU, YU.-T., FENG, B.-O.
1 ON THE SOLUTIONS OF THE HAMMERSTEIN INTEGRAL EQUATIONS,
    III, ACTA MATH. SINICA 15(1965), 63-73 (CHINESE),
    TRANSL. CHINESE MATH. -- ACTA 6(1965), 363-374,
    MR:34-3362 <26.0>
WARNE, W.G.   (SEE - ELLIOTT, D.)
WARSCHAWSKI, S.E.   (SEE ALSO - TODD, J.)
1 RECENT RESULTS IN NUMERICAL METHODS OF CONFORMAL MAPPING,
    PROC. SYMP. APPL. MATH., VI, MCGRAW-HILL (1956),
    219-250, MR:19-180 <107.0>

2 ON THE SOLUTION OF THE LICHTENSTEIN-GERSHGORIN INTEGRAL
   EQUATION IN CONFORMAL MAPPING. I. THEORY, EXPERIMENTS IN
   THE COMPUTATION OF CONFORMAL MAPS, 7-29, NAT. BUR.
   STAND. APPL. MATH. SERIES, NO. 42 (1955), MR:17-540
   <107.0>
3 ON THEODORSEN'S METHOD OF CONFORMAL MAPPING OF NEARLY
   CIRCULAR REGIONS, QUART. APPL. MATH. 3(1945), 12-28,
   MR:6-207 <107.0>
4 THE LICHTENSTEIN-GERSCHGORIN INTEGRAL EQUATION IN
   CONFORMAL MAPPING OF VARIABLE DOMAINS, J. MATH. MECH.
   19(1970), 1131-1153 <107.0>
WARZEE, J.
1 L'EQUATION INTEGRALE DE L'ASSOMBRISSEMENT DU CENTRE AU
   BORD DU SOLEIL, ACAD. ROY. BELG. BULL. CL. SCI. (5) ,
   41(1955), 106-137, MR:16-1121 <119.0>
2 LES FONCTIONS INTEGRO-EXPONENTIELLES ET L'EQUATION
   INTEGRALE DE L'ASSOMBRISSEMENT DU CENTRE AU BORD DU
   SOLEIL, ACAD. ROY. BELG. BULL. CL. SCI. (5), 41(1955),
   643-652, MR:17-45 <119.0>
3 THE LICHTENSTEIN-GERSCHGORIN INTEGRAL EQUATION IN
   CONFORMED MAPPING OF VARIABLE DOMAINS, J. MATH. MECH.
   19(1970), 1131-1153 <107.0>
WASOW, W.
1 ASYMPTOTIC EXPANSIONS FOR ORDINARY DIFFERENTIAL
   EQUATIONS - (TRENDS AND PROBLEMS), IN ASYMPTOTIC
   SOLUTION OF DIFFERENTIAL EQUATIONS, ED. C. WILCOX, WILEY
   (1964), 3-20, MR:29-3724 <85.0>
2 SOLUTION OF CERTAIN NONLINEAR DIFFERENTIAL EQUATIONS BY
   SERIES OF EXPONENTIAL FUNCTIONS, ILLINOIS J. MATH. 2,
   (1958), 254-260, MR:20-2526 <85.0>
WATERMAN, P.C.
1 MATRIX FORMULATION OF ELECTROMAGNETIC SCATTERING, PROC.
   I. E. E. E. 53, 8(1965), 805-812 <95.0>
2 EXACT THEORY OF SCATTERING BY CONDUCTING STRIPS, TECH.
   REPT. NO. RAD-TM-63-78 (1963), AVCO CORP., WILMINGTON,
   MASS. <96.2>
WATERMAN, P.C., TRUELL, R.
1 MULTIPLE SCATTERING OF WAVES, J. MATH. PHYS. 2(1961),
   512-537, MR:23-B788 <95.0>
WATERMAN, P.C., YOS, J.M., ABODEELY, R.J.
1 NUMERICAL INTEGRATION OF NON-ANALYTIC FUNCTIONS, J.
   MATH. PHYSICS 43(1964), 45-50, MR:35-6369 <41.0>
WATKINS, C.E., BERMAN, J.H.
1 ON THE KERNEL FUNCTION OF THE INTEGRAL EQUATION RELATING
   LIFT AND DOWNWASH DISTRIBUTIONS OF OSCILLATING WINGS IN
   SUPERSONIC FLOW, N. A. C. A. TECH. NOTE , NO. 3438,
   (1955), 43PP., MR:16-1066 <108.8>
WATKINS, C.E., RUNYAN, H.L.
1 ON THE KERNEL FUNCTION OF THE INTEGRAL EQUATION RELATING
   THE LIFT AND DOWNWASH DISTRIBUTIONS OF OSCILLATING
   FINITE WINGS IN SUBSONIC FLOW, NACA TECH. NOTE NO.
   3131(1954), MR:15-474 <108.0>

WATSON, C.D.   (SEE - WHITTAKER, E.T.)
WATSON, K.M.   (SEE - GOLDBERGER, M.L.)
WATSON, K.M., NUTTALL, J., CHISHOLM, J.S.R.
    1   TOPICS IN SEVERAL PARTICLE DYNAMICS, HOLDEN-DAY (1967)
        <116.0>
WEEKS, W.T.
    1   NUMERICAL INVERSION OF LAPLACE TRANSFORMS USING LAGUERRE
        FUNCTIONS, J. ASSOC. COMP. MACH. 13(1966), 419-429,
        MR:33-3444 <63.0>
WEHAUSEN, J.V.
    1   INITIAL-VALUE PROBLEM FOR THE MOTION IN AN UNDULATING
        SEA OF A BODY WITH FIXED EQUILIBRIUM POSITION, J. ENG.
        MATH. 1(1967), 1-18, MR:36-1144 <110.0>
WEHAUSEN, J.V., LAITONE, E.V.
    1   SURFACE WAVES, HANDBUCH DER PHYSIK IX, (1960), 446-778,
        SPRINGER-VERLAG, MR:22-10417 <112.0>
WEINBERG, S.   (SEE - SCADRON, M.)
WEINBERGER, H.F.   (SEE ALSO - GOLOMB, M.)
    1   ON A NONLINEAR EIGENVALUE PROBLEM, J. MATH. ANAL. APPL.
        21(1968), 506-509, MR:36-5750 <24.5>
WEINBERG, S.
    1   ELEMENTARY PARTICLE THEORY OF COMPOSITE PARTICLES, PHYS.
        REV. 130(1963), 776-783, MR:27-6499 <116.1>
    2   QUASIPARTICLES AND BORN SERIES, PHYS. REV. 131(1963),
        440-460 <116.1>
    3   SYSTEMATIC SOLUTION OF MULTIPARTICLE SCATTERING PROBLEMS,
        PHYS. REV. 133(1964), B232-256, MR:29-3163 <116.1>
WEINEL, E.
    1   EINE ERWEITERUNG DES GRAMMELSCHEN VERFAHRENS ZUR
        BERECHNUNG VON EIGENWERTEN UND EIGENFUNKTIONEN, ING.
        ARCH. 10 (1939) 283-291, MR:1-252 <54.0>
    2   DIE INTEGRALGLEICHUNG DES EBENEN SPANNUNGSZUSTANDES UND
        DER PLATTEN THEORIE, ZAMM 11 (1931) 349-360 <104.2>
    3   POTENTIALSTRØMUNG IN KREISELRADERN UND SCHAUFELGITTERN,
        ZAMM 12 (1932) 65-78 <111.0>
WEINITSCHKE, H.J.
    1   ON A CLASS OF ITERATION PROCEDURES, NUMER. MATH. 6(1964),
        395-404, MR:30-1624 <49.0>
WEIR, R.E.   (SEE - STIBBS, D.W.N.)
WEISS, G.H.
    1   LAGUERRE EXPANSIONS FOR SUCCESSIVE GENERATIONS OF A
        RENEWAL PROCESS, J. RES. NAT. BUR. STANDARDS B 66B
        (1962), 165-168, MR:27-6311 <121.0>
WEISS, H.J.   (SEE - LOW, R.D.)
WEISS, R.
    1   MID-POINT PRODUCT INTEGRATION FOR WEAKLY-SINGULAR
        FIRST-KIND VOLTERRA EQUATIONS, (1970), SUBMITTED TO NUM.
        MATH. <16.0>
WEISSINGER, J.
    1   UBER EIN ERWEITERUNG DER PRANDTLSCHEN THEORIE DER
        TRAGENDEN LINIE, MATH. NACHR. 2(1949) 45-106, MR:11-64
        <109.6>

2 EIN SATZ UBER FOURIERREIHEN UND SEINE ANWENDUNG AUF DIE
    TRAGFLUGELTHEORIE, MATH. ZEITS. 47(1942), 16-33 <78.0,
    108.0>
3 THEORIE DES TRAGFLUGELS BEI STATIONARER BEWEGUNG IN
    REIBUNGSLOSEN INKOMPRESSIBLEN MEDIEN, HANDBUCH DER
    PHYSIK VOL. VIII, SPRINGER(1963), 385-437, MR:28-4718
    <108.6>
4 EINIGE ERGEBNISSE AUS DER THEORIE DES RINGFLUGELS IN
    INKOMPRESSIBLER STROMUNG, ADVANCES IN AERONAUTICAL
    SCIENCES, 2(1959), 798-831, PERGAMON PRESS (1959)
5 DIE AUFTRIEBSVERTEILUNG VON TRAGFLUGELN MIT TIEFENSPRUNG,
    ING. - ARCH. 20(1952), 166-169, MR:14-210 <108.6>
6 UBER INTEGRODIFFERENTIALGLEICHUNGEN VOM TYP DER
    PRANDTLSCHEN TRAGFLUGELGLEICHUNG, MATH. NACHR. 3(1950),
    316-326, MR:12-541 <78.0, 108.0>
7 NONUNIFORM FLOW OF AN IDEAL FLUID PAST AIRFOILS, PT. I -
    SOME EXACT SOLUTIONS, M. R. C. REPT. NO. 515(1964), PT.
    II. - APPROX, THEORY, M. R. C. REPT. NO. 536(1965), PT.
    III. - NUMERICAL RESULTS, M. R. C. REPT. NO. 571(1965)
    <108.0>
8 AUFTRIEBSVERTEILUNG VON TRAGFLUGELN MIT TIEFENSPRUNG,
    ING.-ARCH. 20 (1952) 166-169 <108.0>

WELCH, J.T.
1 NUMERICAL TREATMENT OF AN INTEGRAL EQUATION ARISING IN A
    MIXED BOUNDARY ELASTICITY PROBLEM, THESIS, NORTH
    CAROLINA STATE, (1964) <103.6>

WELCH, P.D.   (SEE - COOLEY, J.W.)

WENDLAND, W.   (SEE ALSO - BRUHN, G.)
1 DIE FREDHOLMSCHE ALTERNATIVE FUR OPERATOREN DIE
    BEZUGLICH EINES BILINEAREN FUNKTIONALS ADJUNGIERT SIND,
    MATH. Z. 101(1967), 61-64, MR:36-3162 <22.0>
2 DIE BEHANDLUNG VON RANDWERTAUFGABEN IM R-3 MIT HILFE VON
    EINFACH UND DOPPELSCHICHT POTENTIALEN, NUMER. MATH.
    11(1968), 380-404, MR:37-7103 <53.1, 90.0>

WENDROFF, B.
1 ON THE CONVERGENCE OF THE DISCRETE ORDINATE METHOD, J.
    SOC. IND. APPL. MATH. 8(1960), 508-513, MR:23-B1674
    <53.6, 119.3>

WERNER, P.   (SEE ALSO - BRAKHAGE, H., GREENSPAN, D.,
                 KUSSMAUL, R.)
1 BOUNDARY VALUE PROBLEMS IN THE THEORY OF ACOUSTIC WAVE
    FIELDS, M. R. C. TECH. REPT. NO. 233, (1961) <95.0>
2 BOUNDARY VALUE PROBLEMS IN THE THEORY OF ACOUSTIC WAVE
    FIELDS, II., M. R. C. TECH. SUMMARY REPT. NO. 234, JUNE
    (1961) <95.0>
3 ON AN INTEGRAL EQUATION IN ELECTRO-MAGNETIC DIFFRACTION
    THEORY, J. MATH. ANAL. APPL. 14(1966), 445-462,
    MR:33-534 <95.0>
4 ON THE EXTERIOR BOUNDARY VALUE PROBLEM OF PERFECT
    REFLECTION FOR STATIONARY ELECTROMAGNETIC WAVE FIELDS,
    J. MATH. ANAL. APPL. 7(1963), 348-396, MR:28-820 <95.0>
5 MATHEMATICAL THEORY OF ACOUSTICAL FIELDS, ARCH. RAT.
    MECH. ANAL. 6(1960), 231-260, MR:14-6375 <95.0>

6   BOUNDARY VALUE PROBLEMS OF MATHEMATICAL ACOUSTICS, ARCH.
RAT. MECH. ANAL. 10(1962), 29-66, AMR:15-7412 <95.0>
7   BEUGUNGSPROBLEME DER MATHEMATISCHEN AKUSTIK, ARCH. RAT.
MECH. ANAL. 12(1963), 155-184, MR:26-5834 <95.0>
8   DIFFRACTION PROBLEMS IN MATHEMATICAL ACOUSTICS, ARCH.
RAT. MECH. ANAL. 12(1963), 155-184, AMR:17-3664 <95.0>
9   RANDWERTPROBLEME DER MATHEMATISCHEN AKUSTIK, ARCH. RAT.
MECH. ANAL. 10(1962), 29-66, MR:26-5276 <95.0>

WEST, G.B.
1   SCATTERING FROM COULOMB-LIKE POTENTIALS WITHOUT
DIVERGENCIES OR CUTOFFS, I. - FORMALISM: GENERALIZED
LIPPMANN-SCHWINGER EQUATIONS, J. MATH. PHYS. 8(1967),
942-953 <116.1>

WESTMANN, R.A.
1   LAYERED SYSTEMS SUBJECT TO ASYMMETRIC SURFACE SHEARS,
PROC. ROY. SOC. EDIN. 140-149
2   ASYMMETRIC MIXED BOUNDARY-VALUE PROBLEMS OF THE ELASTIC
HALF-SPACE, J. APPL. MECH. 32 (1965), 411-418,
MR:32-1955 <103.6>
3   SIMULTANEOUS PAIRS OF DUAL INTEGRAL EQUATIONS, SIAM REV.
7(1965), 341-348, MR:31-5049 <67.5>

WESTON, V.H.
1   EXTENSION OF FOCK THEORY FOR CURRENTS IN THE PENUMBRA
REGION, J. RES. NAT. BUR. STANDARDS SECT. D 69D (1965),
CULLEN (PHYS. REV. (2), 109(1958), 1257-1270, 1053-1867,
MR:32-5032 <95.5>

WESTPFAHL, K.   (SEE ALSO - HONL, H.)
1   ZUR THEORIE EINER KLASSE VON BEUGUNGSPROBLEMEN MITTELS
SINGULARER INTEGRALGLEICHUNGEN - I., ANNALEN DER PHYSIK
7 FOLGE 4(1959), 283-351, MR:22-2318 <71.0, 96.0>

WESTWATER, E.R.   (SEE - STRAND, O.N.)

WEYL, H.
1   INEQUALITIES BETWEEN THE TWO KINDS OF EIGENVALUES OF A
LINEAR TRANSFORMATION, PROC. NAT. ACAD. SCI. (U. S. A.),
35(1949), 408-411, MR:11-37 <24.0>
2   KAPAZITAT VON STRAHLUNGSFELDERN, MATH. ZEITS. 55(1952),
187-198, MR:14-225 <95.0>
3   SINGULARE INTEGRALGLEICHUNGEN, MATH. ANN. 66 (1909)
275-324 <24.9, 62.0>
4   ASYMPTOTISCHE VERTEILUNG DER EIGENWERTE LINEARER
PARTIELLER DIFFERENTIALGLEICHUNGEN, MATH. ANN. 71 (1912)
441-479 <82.0>
5   UBER DIE ASYMPTOTISCHE VERTEILUNG DER EIGENWERTE,
GOTTINGER NACHR. (1911) 110-117 <82.0>
6   ON THE DIFFERENTIAL EQUATIONS OF THE SIMPLEST
BOUNDARY-LAYER PROBLEMS, ANN. MATH. 43 (1942) 381-407,
MR:3-284 <89.0, 113.0>

WHITEMAN, J.R.   (SEE ALSO - NOBLE, B.)
1   THE TREATMENT OF SINGULARITIES IN A HARMONIC MIXED
BOUNDARY VALUE PROBLEM BY DUAL SERIES METHODS, QUART. J.
MECH. APPL. MATH. 21(1968), 41-50, MR:36-7348 <91.0>

WHITTAKER, E.T.
1 ON THE NUMERICAL SOLUTION OF INTEGRAL EQUATIONS. PROC.
ROY. SOC. LONDON A94(1918), 367-383 <13.0>
WHITTAKER, E.T., WATSON, G.D.
1 A COURSE OF MODERN ANALYSIS. CAMBRIDGE UNIVERSITY PRESS
4TH ED. (1927) <02.0>
WIARDA, G.J.
1 INTEGRALGLEICHUNGEN UNTER BESONDERER BERUCKSICHTIGUNG
DER ANWENDUNGEN, TEUBNER (1931) <01.0>
WICK, G.C.
1 UBER EBENE DIFFUSIONS-PROBLEME. Z. PHYS. 121(1943),
702-718, MR:5-244 <119.3>
WICK, J.
1 UBER EINE INTEGRALGLEICHUNG VOM ABELSCHEN TYP, Z. ANGEW.
MATH. MECH. 48(1968), T39-T41, MR:41-4163 <64.5>
WIDOM, H.
1 EQUATIONS OF WIENER-HOPF TYPE. ILLINOIS J. MATH. 2(1958),
261-270, MR:20-4159 <70.0>
2 EXTREME EIGENVALUES OF TRANSLATION KERNELS, TRANS. AMER.
MATH. SOC. 100(1961), 252-262, MR:25-2420 <82.0>
3 RAPIDLY INCREASING KERNELS, PROC. AMER. MATH. SOC.
14(1963), 501-506, MR:27-1789 <82.0>
4 ASYMPTOTIC BEHAVIOR OF THE EIGENVALUES OF CERTAIN
INTEGRAL EQUATIONS II, ARCHIVE RAT. MECH. ANAL. 17(1964),
215-229, MR:29-6270 <82.0>
5 ASYMPTOTIC BEHAVIOR OF THE EIGENVALUES OF CERTAIN
INTEGRAL EQUATIONS, TRANS. AMER. MATH. SOC. 109(1963),
278-295, MR:27-5101 <82.0>
6 ON THE EIGENVALUES OF CERTAIN HERMITIAN OPERATORS.
TRANS. AMER. MATH. SOC. 88(1958), 491-522, MR:20-4782
<82.0>
7 STABLE PROCESSES AND INTEGRAL EQUATIONS. TRANS. AMER.
MATH. SOC. 98(1961), 430-449, MR:22-12611 <122.0>
8 SINGULAR INTEGRAL EQUATIONS IN LP, TRANS. AMER. MATH.
SOC. 97(1960), 131-160, MR:22-9830 <25.0, 74.5>
9 LECTURES ON INTEGRAL EQUATIONS, VAN NOSTRAND (1969)
<01.0>
WIERFLITZ, R.
1 UBER DEN ZUSAMMENHANG ZWISCHEN SYSTEMEN LINEARER
DIFFERENTIALGLEICHUNGEN UND VOLTERRASCHER
INTEGRALGLEICHUNGEN MIT AUSGEARTETEM KERN, ARCH. MATH. 7
(1956) 184-196
2 UBER DEN ZUSAMMENHANG ZWISCHEN SYSTEMEN LINEARER
DIFFERENTIALGLEICHUNGEN UND VOLTERRASCHER
INTEGRALGLEICHUNGEN MIT AUSGEARTETEM KERN, ARCH. MATH. 7
(1956) 184-196, MR:18-49 <10.0, 89.0>
WIECKONSKI, J.
1 PRINCIPLES OF THE VARIATION METHOD APPLIED TO THE
DETERMINATION OF CRITICAL LOADS IN MECHANICS OF SHIP
STRUCTURES, BULL. ACAD. POLON. SCI. SER. TECH. (POLSKA
AKAD. NAUK), WARSAW 12(1964), 549-555, AMR:18-5881
<115 0>

WIEGHARDT, K.
    1   UBER DIE AUFTRIEBSVERTEILUNG DES EINFACHEN
        RECHTECKFLUGELS UBER DIE TIEFE. Z. ANGEW. MATH. MECH.
        19(1939), 257-270, MR:1-91 <106.6>
WIELANDT, H.
    1   DAS ITERATIONSVERFAHREN BEI NICHT SELBSTADJUNGIERTEN
        LINEAREN EIGENVERTAUFGABEN, MATH. ZEIT. 50(1944), 93-143,
        MR:8-157 <54.0>
    2   ERROR BOUNDS FOR EIGENVALUES OF SYMMETRIC INTEGRAL
        EQUATIONS, PROC. SYMP. APPL. MATH. VI (NUM. ANAL.),
        MCGRAW - HILL (1956),261-282, MR:19-179 <54.0>
WIENER, N.   (SEE - HEINS, A.E., PALEY, R.E.A.C.)
WIENER, N., HOPF, E.
    1   UBER EINE KLASSE SINGULARER INTEGRALGLEICHUNGEN, S. B.
        PREUSS. AKAD, WISS. (1931), 696-706 <70.0>
WIENER, K.
    1   VERALLGEMEINERUNGEN EINER INTEGRALGLEICHUNGEN AUS DER
        TRAFLUGELTHEORIE, MATH. NACHR. 35(1967), 117-123,
        MR:36-6887 <78.0, 108.0>
    2   UBER EIN GEMISCHTES RANDWERTPROBLEM ZUR DIE
        VERALLGEMEINERTE TRICOMI-GLEICHUNG, WISS. Z.
        MARTIN-LUTHER-UNIV. HALLE-WITTENBERG MATH. NATUR. REIHE
        13(1964), 55-57, MR:29-5007 <91.0>
    3   INTEGRALGLEICHUNGEN MIT HADAMARD INTEGRALEN, MATH.
        NACHR. 35(1967), 75-103, 36(1968), 289-309, MR:37-710,
        MR:37-4525 <22.0, 28.3>
    4   UBER NICHTLINEARE INTEGRODIFFERENTIAL GLEICHUNGEN MIT
        HADAMARD INTEGRALEN, MATH. Z. 106(1968), 123-138,
        MR:39-1927 <31.0>
WILCOX, C.
    1   A VARIATIONAL METHOD FOR COMPUTING THE ECHO AREA OF A
        LAMINA, IN BOUNDARY PROBLEMS IN DIFFERENTIAL EQUATIONS,
        UNIV. WISCONSIN PRESS (1960) 301-314, MR:22-11743 <48.5,
        101.0>
WILD, E.
    1   ON BOLTZMANN'S EQUATION IN THE KINETIC THEORY OF GASES,
        PROC. CAMBRIDGE PHILOS. SOC. 47(1951), 602-609,
        MR:13-195 <119.2>
WILDT, R.   (SEE - KAGIWADA, H.H.)
WILKINS, J.E., JR.
    1   DEFINITELY SELF-CONJUGATE ADJOINT INTEGRAL EQUATIONS,
        DUKE MATH. J. 11(1944), 155-166, MR:5-267 <22.0>
WILLETT, D.
    1   NONLINEAR VECTOR INTEGRAL EQUATIONS AS CONTRACTION
        MAPPINGS, ARCH. RAT. MECH. ANAL. 15(1964), 79-86,
        MR:28-2417 <11.0>
WILLIAMS, M.M.R.
    1   ON AN INTEGRAL EQUATION ARISING IN THE THEORY OF NEUTRON
        STREAMING, PROC. CAMBRIDGE PHILOS. SOC. 64(1968),
        447-453, MR:37-711 <71.0, 119.0>
    2   THE SLOWING DOWN AND THERMALIZATION OF NEUTRONS, NORTH
        HOLLAND AND WILEY (1966) <119.0>

WILLIAMS, P.G.   (SEE - STEWARTSON, K.)
WILLIAMS, W.E.

1   NOTE ON THE REDUCTION OF DUAL AND TRIPLE SERIES
      EQUATIONS TO DUAL AND TRIPLE INTEGRAL EQUATIONS, PROC.
      CAMB. PHILOS. SOC. 59(1963), 731-734, MR:27-4036 <66.0>
2   ELECTROMAGNETIC DIFFRACTION BY A CIRCULAR DISK, PROC.
      CAMB. PHIL. SOC. 58(1962), 625-630, MR:27-4493 <97.0>
3   DIFFRACTION BY A DISK, PROC. ROY. SOC. A 267(1962),
      77-87, MR:25-4772 <97.0>
4   THE SOLUTION OF CERTAIN DUAL INTEGRAL EQUATIONS, PROC.
      EDINBURGH MATH. SOC. (2), 12(1960/61), 213-216,
      MR:32-8075 <67.5>
5   MAGNETOHYDRODYNAMIC FLOW IN A RECTANGULAR TUBE AT HIGH
      HARTMANN NUMBER, J. FLUID. MECH. 16(1963), 262-268,
      MR:27-1081 <113.0>
6   NOTE ON THE SCATTERING OF LONG WAVES IN A ROTATING
      SYSTEM, J. FLUID MECH. 20(1964), 115-119, MR:29-4348
      <112.5>
7   THE REDUCTION OF BOUNDARY VALUE PROBLEMS TO FREDHOLM
      INTEGRAL EQUATIONS OF THE SECOND KIND, Z. ANGEW. MATH.
      PHYS. 13(1962), 133-152, MR:25-414 <92.0>
8   APPROXIMATE SOLUTIONS OF BOUNDARY VALUE PROBLEMS IN
      POTENTIAL THEORY WITH APPLICATIONS TO ELECTROSTATICS AND
      ELASTOSTATICS, PROC. EDIN. MATH. SOC. 14(1964), 89-101,
      MR:31-369 <90.0>
9   SOME BOUNDARY VALUE PROBLEMS IN POTENTIAL THEORY, Q. J.
      M. A. M. 14(1961), 443-452, MR:25-7221 <90.0>
10 A NOTE ON DIFFRACTION BY A RIGHT-ANGLED WEDGE, PROC.
      CAMB. PHIL. SOC. 61(1965), 275-278, MR:30-1689 <96.7>
11 A CLASS OF BOUNDARY VALUE PROBLEMS, APPL. SCI. RES. B9(
      ), 21-34
12 THE SOLUTION OF DUAL SERIES AND DUAL INTEGRAL EQUATIONS,
      PROC. GLASGOW MATH. ASSOC. 6(1964), 123-129, MR:29-3844
      <66.0, 67.4>
13 INTEGRAL REPRESENTATIONS IN TWO DIMENSION POTENTIAL
      THEORY, Z. ANGEW. MATH. PHYS. 14(1963), 675-681,
      MR:28-4139 <91.0>
14 NOTE ON A PROBLEM IN ELASTODYNAMICS, J. LOND. MATH. SOC.
      38(1963), 119-122, MR:26-5797 <105.7>
15 A CLASS OF MIXED BOUNDARY VALUE PROBLEMS, J. MATH. MECH.
      11(1962), 109-119, MR:25-334 <94.3>
16 A NOTE ON DIFFRACTION BY A HALF-PLANE, CAN. J. PHYS.
      38(1960), 507-510 <96.0>
17 A CLASS OF INTEGRAL EQUATIONS, PROC. CAMB. PHILOS. SOC.
      59(1963), 589-597, MR:26-6710 <83.6>
18 NOTE ON THE SCATTERING OF WATER WAVES BY A VERTICAL
      BARRIER, PROC. CAMB. PHIL. SOC. 62(1966), 507-509,
      MR:33-6934 <112.5>
19 NOTE ON THE ELECTROSTATIC PROBLEM FOR A CIRCULAR ANNULUS,
      Q. J. M. A. M. 16(1963), 205-207, MR:27-2249 <92.5>
20 INTEGRAL EQUATION FORMULATION OF SOME THREE PART
      BOUNDARY VALUE PROBLEMS, PROC. EDINBURGH MATH. SOC. (2),
      13(1962/63), 317-323, MR:28-4314 <92.5>

#1175

21   A NOTE ON SLOW VIBRATIONS IN AN ELASTIC MEDIUM, QUART.
        J. MECH. APPL. MATH. 19(1966), 413-416
22   INTEGRAL EQUATION FORMULATION OF OSEEN FLOW PROBLEMS, J.
        INST. MATH. APPL. 1(1965), 339-347, MR:32-8669 <113.0>
23   BOUNDARY EFFECTS IN STOKES FLOW, J. FLUID. MECH.
        24(1966), 285-291, MR:32-8624 <113.0>
WILLIAMS, W.E., PAPKE, N.G., MORAN, D.A., SHERMAN, C.H.
    1   ACOUSTIC RADIATION FROM A FINITE CYLINDER, J. OF
        ACOUSTICAL SOC. OF AMER. 36(1964), 2316-2322,
        AMR:18-5118 <95.0>
WILLIS, J.R.
    1   HERTZIAN CONTACT OF ANISOTROPIC BODIES, J. MECH. PHYS.
        SOLIDS 14(1966), 163-176, MR:33-3516 <103.6>
    2   BOUSSINESQ PROBLEM FOR AN ANISOTROPIC HALF-SPACE, J.
        MECH. PHYS. SOLIDS 15(1967), 331-339, AMR:21-6349 <103.6,
        103.5>
WILSON, E.M.   (SEE - RYALL, D.L.)
WILSON, H.B.
    1   CONTACT STRESSES IN AN INFINITE PLATE CONTAINING A
        SMOOTH RIGID ELLIPTIC INSERT, J. APPL. MECH. 4(1964),
        703-704, AMR:18-2654 <103.4>
    2   APPROXIMATE DETERMINATION OF CONTACT STRESSES IN AN
        INFINITE PLATE WITH A SMOOTH CIRCULAR INSERT, PROC. 2ND
        SOUTHEAST CONFCE. ON THEOR. MECH. (1964), 147-163 <103.4>
WILSON, S.J., SEN, K.K.
    1   MODIFIED SPHERICAL HARMONIC METHOD AND NEUTRON TRANSPORT
        PROBLEM WITH FINITE SPHERICAL CORE, CANAD. J. PHYS.
        43(1965), 432-437, MR:31-5646 <53.6, 119.3>
WIMP, J.
    1   TWO INTEGRAL TRANSFORM PAIRS INVOLVING HYPERGEOMETRIC
        FUNCTIONS, PROC. GLASGOW MATH. ASSOC. 7 (1955) 42-44,
        MR:31-1402 <54.5>
WING, G.M.   (SEE ALSO - ALLEN, R.C., BAILEY, P.B.,
                         BELLMAN, R., LEHNER, J., ROARK, A.L.)
    1   AN INTRODUCTION TO TRANSPORT THEORY, WILEY (1962),
        MR:27-5580 <119.0>
    2   ON A GENERALIZATION OF A METHOD OF BELLMAN AND LATTER
        FOR OBTAINING EIGENVALUE BOUNDS FOR INTEGRAL OPERATORS,
        J. MATH. ANAL. APPLIC. 23(1968), 384-396, MR:38-501
        <77.7>
    3   SOME CONVEXITY THEOREMS FOR EIGENVALUES OF FREDHOLM
        INTEGRAL EQUATIONS, J. MATH. ANAL. APPL. 19(1967),
        330-338, MR:35-3388 <24.0>
    4   TRANSPORT THEORY AND SPECTRAL PROBLEMS, AMERICAN
        MATHEMATICAL SOCIETY, PROCEEDINGS OF SYMPOSIA IN APPLIED
        MATHEMATICS, XI, (1961), 140-150, MR:22-10283 <119.0>
    5   ON A METHOD FOR OBTAINING BOUNDS ON THE EIGENVALUES OF
        CERTAIN INTEGRAL EQUATIONS, J. MATH. ANAL. APPLIC. 11
        (1955) 160-175, MR:31-5046 <54.0>
    6   ON CERTAIN FREDHOLM INTEGRAL EQUATIONS REDUCIBLE TO
        INITIAL VALUE PROBLEMS, SIAM REVIEW 9(1967), 655-670,,
        (1966), MR:37-3302 <59.4>

   7   SOLUTION OF A TIME-DEPENDENT, ONE-DIMENSIONAL NEUTRON
       TRANSPORT PROBLEM. J. MATH. MECH. 7(1958), 757-766,
       MR:20-4715 <119.7>
   8   INVARIANT IMPEDDING AND TRANSPORT PROBLEMS WITH INTERNAL
       SOURCES, J. MATH. ANAL. APPL. 13(1966), 361-369,
       MR:33-5336 <119.7>
WINTER, A.   (SEE - HARTMAN, P.)
WITTERHOLT, E.J.   (SEE - EINSPRUCH, N.G.)
WITTICH, H.
   1   KONVERGENZBETRACHTUNG ZUM ABBILDUNGSVERFAHREN VON
       THEODORSEN-GARRICK, MATH. ANN. 122(1950), 6-13,
       MR:12-170 <107.0>
WOLF, F.   (SEE - MANN, W.R.)
WOLFE, P.
   1   DIFFRACTION OF A SCALAR WAVE BY A PLANE SCREEN, SIAM J.
       APPL. MATH. 14(1966), 577-599, MR:33-6967 <97.0>
WOLFERSDORF, L.
   1   ZUR LOSUNG DER VESALLGEMEINERTEN ABELSCHEN
       INTEGRALGLEICHUNG MIT KONSTANTEN KOEFFIZIENTEN, Z. ANGEW
       MATH. MECH. 49(1969), 759-761, M.R. 41-763 <79.5>
   2   ZUR LOSUNG DER VERALLGEMEINERTEN ABELSCHEN
       INTEGRALGLEICHUNG MIT KONSTANTEN KOEFFIZIENTEN, Z. ANGEW
       MATH. MECH. 49(1969), 759-761, MR:41-763 <79.5>
WOLFOWITZ, J.   (SEE - KIEFER, J.)
WONG, D.Y.
   1   DISPERSION RELATION FOR NONRELATIVISTIC PARTICLES, PHYS.
       REV. 107(1957), 302-306, MR:19-364 <116.8>
WONG, J.S.W.   (SEE - MILLER, R.K., MULDOWNEY, J.S.,
                       NASHED, M.Z.)
WOOD, W.W.
   1   LINEAR EQUATIONS WITH ELEMENTS OF A SPECIAL FORM AND
       INFINITELY MANY VARIABLES, PROC. CAMBRIDGE PHILOS. SOC.
       61(1965), 781-794, MR:33-7728 <35.7>
WOODS, L.C.
   1   THE THEORY OF SUBSONIC PLANE FLOW. CAMBRIDGE UNIV. PRESS
       (1ELY MA, NY VARIABLES <ROC. >
WOODWARD, D.A.
   1   ON A SPECIAL INTEGRAL EQUATION, PROC. AMER. MATH. SOC.
       10(1959), 853-854, MR:22-170 <11.0>
WOOLCOCK, W.S.
   1   ASYMPTOTIC BEHAVIOR OF STIELTJES TRANSFORMS, II., J.
       MATH. PHYS. 9(1968), 1350-1356, MR:38-497 <63.5>
WOOLCOCK, W.S.
   1   ASYMPTOTIC BEHAVIOR OF STIELTJES TRANSFORMS, I., J.
       MATH. PHYS. 8(1967), 1270-1275 <63.5>
WOUK, A.
   1   DIRECT ITERATION, EXISTENCE AND UNIQUENESS, 'NONLINEAR
       INTEGRAL EQUATIONS', ED. P. M. ANSELONE, UNIV. WISCONSIN
       PRESS, MADISON, WIS., (1964), 3-33, MR:28-5204 <11.0>
WRIGHT, J.   (SEE - SCADRON, M.)
WRIGHT, K.   (SEE - BAKER, C.T.H.)

WU , T.-S., CHIU, Y.P.
   1   ON THE CONTACT PROBLEM OF LAYERED ELASTIC BODIES. QUART.
       APPL. MATH. 25(1967), 233-242, AMR:21-3195 <103.7>
WU, T.TE.   , WU, T.TSUN
   1   ITERATIVE SOLUTION OF WIENER-HOPF INTEGRAL EQUATIONS,
       QUART. APPL. MATH. 20(1963), 341-352, MR:25-5357 <70.8>
WU, T.TSUN   (SEE ALSO - LEVINE, H.,
                  WU, T.TE.   )
   1   THEORY OF THE DIPOLE ANTENNA AND THE TWO-WIRE
       TRANSMISSION LINES, J. MATH. PHYS. 2(1961), 550-574,
       MR:23-B1355 <71.0, 102.0>
   2   INPUT ADMITTANCE OF INFINITELY LONG DIPOLE ANTENNAS
       DRIVEN FROM COAXIAL LINES, J. MATH. PHYS. 3(1962),
       1298-1301, MR:26-4635 <102.0>
   3   THEORY OF THE THIN CIRCULAR LOOP ANTENNA, J. MATH. PHYS.
       3(1962), 1301-1304, MR:26-7306 <102.0>
WU, T.TSUN, KING, R.W.P.
   1   THE INTEGRAL EQUATION FOR THE CURRENT IN A THICK TUBULAR
       ANTENNA, REPT. NO. TR-502, CRUFT LAB., HARVARD UNIV.,
       CAMBRIDGE, MASS. <102.0>
WU, T.Y., WANG, D.P.
   1   A WAKE MODEL FOR FREE-STREAMLINE FLOW, I, J. FLUID MECH
       13(1962), 161 <113.5>
   2   A WAKE MODEL FOR FREE-STREAMLINE FLOW, II, J. FLUID
       MECH. 18(1964), 65 <113.5>
WU, Y.T.
   1   A THEORY FOR HYDROFOILS OF FINITE SPAN, J. MATH. PHYS.
       33(1964), 207-2H. 18(<964),>
WYNTER, P.E.   (SEE - LEVEY, H.C.)
YABUSHITA, S.
   1   TSCHEBYSCHEFF POLYNOMIAL APPROXIMATION METHOD OF THE
       NEUTRON-TRANSPORT EQUATION, J. MATH. PHYS. 2(1961),
       543-549, MR:25-997 <119.3>
YAMAGISHI, T., SEKIYA, T.
   1   SOLUTIONS OF BOLTZMANN EQUATION IN HYDROGENEOUS CHAINS
       REACTING SYSTEM, TECH. REP. OSAKA UNIV. 19(1969), 29-37,
       MR:41-2238 <119.2>
YAMAMURO, S.
   1   ON THE THEORY OF NON-LINEAR OPERATORS, PROC. JAP. ACAD.
       36(1960), 305-309, MR:22-8361 <26.0>
   2   ON THE THEORY OF SOME NON-LINEAR OPERATORS, YOKOHAMA
       MATH. J. 10(1962), 11-17, MR:27-6132 <26.0>
   3   ON THE SPECTRA OF SOME NON-LINEAR OPERATORS, PROC. JAP.
       ACAD. 37(1961), 447-451, MR:26-5427 <27.0>
YAU, W.F.
   1   AXISYMMETRIC SLIPLESS INDENTATION OF AN INFINITE ELASTIC
       CYLINDER, J. SIAM APPL. MATH. 15(1967), 219-227,
       AMR:20-7673 <103.9>
YAU, W.F., CAKMAK, A.S.
   1   THE INDENTATION PROBLEM OF AN INFINITE, HOLLOW, ELASTIC
       CYLINDER FOR AN AXISYMMETRIC PUNCH OF FINITE LENGTH AND
       ARBITRARY PROFILE, INTERNATIONAL J. OF ENGRG. SCI.
       (1965), 463-481, AMR:20-91 <103.9>

YOSIDA, K.   (SEE ALSO - WATERMAN, P.C.)
   1   LECTURES ON DIFFERENTIAL AND INTEGRAL EQUATIONS,
          INTERSCIENCE, (1960), MR:22-9638 <02.0>
YOUNG, A.   (SEE ALSO - EDELS, H., MAKINSON, G.J.)
   1   APPROXIMATE PRODUCT-INTEGRATION, PROC. ROY. SOC. A
          224(1954), 552-561, MR:16-179 <41.0>
   2   THE APPLICATION OF PRODUCT INTEGRATION TO THE NUMERICAL
          SOLUTION OF INTEGRAL EQUATIONS, PROC. ROY. SOC. LONDON A
          224(1954), 561-573, MR:16-179 <43.0>
YOUNG, D.A., RICE, S.A.
   1   CONJECTURE CONCERNING AN ASYMPTOTIC MODIFICATION OF THE
          YOON-BORN-GREEN EQUATION FOR FLUIDS OF RIGID SPHERES AND
          DISKS, J. CHEM. PHYS. 47(1967), 5061-5067 <117.0>
YOUNG, D.M.   (SEE - BIRKHOFF, G.)
YOUNG, R.L.
   1   REPORT ON EXPERIMENTS IN APPROXIMATING THE SOLUTION OF A
          DIFFERENTIAL EQUATION, J. ASSOC. COMPUT. MACH. 3(1956),
          26-28, MR:17-791 <13.0>
ZAANEN, A.C.
   1   AN EXTENSION OF MERCER'S THEOREM ON CONTINUOUS KERNELS
          OF POSITIVE TYPE, SIMON STEVIN 29(1952), 113-124,
          MR:15-37 <22.0>
   2   LINEAR ANALYSIS, MEASURE AND INTEGRAL, BANACH AND
          HILBERT SPACE, LINEAR INTEGRAL EQUATIONS, INTERSCIENCE,
          (1953), MR:15-878 <03.0>
ZABREIKO, P.P.
   1   THE CONTINUITY AND COMPLETE CONTINUITY OF OPERATORS OF
          P. S. URYSON, DOKL. AKAD. NAUK SSSR 161(1965), 1007-1010,
          SOVIET MATH. DOKL. 6(1965), 540-544, MR:31-2610 <34.0>
ZABREIKO, P.P., POVOLOCKII, A.I.
   1   THEOREMS ON THE EXISTENCE AND UNIQUENESS OF SOLUTIONS OF
          HAMMERSTEIN EQUATIONS, DOKL. AKAD. NAUK. SSSR 176 (1967)
          759-762 SOVIET MATH. DOKL. 8 (1967) 1178-1182,
          MR:36-4293 <26.0>
ZADEH, L.A.   (SEE - THOMAS, J.B.)
ZAGADSII, C.
   1   AN ANALOGUE OF NEWTON'S METHOD FOR NON-LINEAR INTEGRAL
          EQUATIONS, DOKL. AKAD. NAUK. SSSR 59(1948), 1041,
          MR:9-443 <49.8>
ZAHAR-ITKIN, M.H.
   1   GROWTH OF EIGENVALUES OF A LINEAR INTEGRAL EQUATION,
          VESTNIK MOSKOV. UNIV. SER. I MAT. MEH. 21(1966), NO. 4,
          3-19, MR:34-6461 <32.0>
   2   ON THE GROWTH OF EIGENVALUES OF A LINEAR INTEGRAL
          EQUATION, DOKL. AKAD. NAUK SSSR 158(1964), 1022-1025,
          MR:29-6267 <82.0>
ZAHAROV, E.V.   (SEE - DMITRIEU, V.I.)
ZAKORKO, V.N., ROSTOVTSEV, N.A.
   1   DYNAMIC CONTACT PROBLEM OF STEADY VIBRATIONS OF AN
          ELASTIC HALF-SPACE, P. M. M. 29(1965), 545-552, TRANSL.
          J. APPL. MATH. AND MECH. 644-653, APR:20-1694 <105.6>
ZAMOTA, A.V.   (SEE - MIHAILOV, L.G.)

PAPANTONELLO, E.H.   (SEE ALSO - BIRKHOFF, G.)
  1 THE RIESZ TRANSFORM, II POTENTIAL OPERATORS, M. R. C.
     REPT. NO. 196, JUNE (1961) <62.0>
ZEILON, N.
  1 SOME PROBLEMS OF NUMERICAL ACCURACY IN THE THEORY OF
     DIFFERENTIAL AND INTEGRAL EQUATIONS, LUNDS UNIV.
     ARSSHRIFT, N. S., SECT. 2 43(1947), MR:9-383 <54.0>
ZELAZNY, R.   (SEE ALSO - MIKA, J.R.)
  1 EXACT SOLUTION OF CRITICAL PROBLEM FOR A SLAB, J. MATH.
     PHYS. 2(1961), 538-542, MR:23-B2957 <119.8>
ZEMACH, C.   (SEE - KLEIN, A.)
ZEMACH, C., KLEIN, A.
  1 THE BORN EXPANSION IN NON-RELATIVISTIC QUANTUM THEORY,
     NUOVO CIMENTO 10(1958), 1078-1087, MR:21-580 <116.1>
ZENKIN, O.V.
  1 SOME REMARKS ON THE STABILITY OF ITERATION PROCESSES, Z.
     VYC. MAT. I MAT. FIZ. 4(1964), 745-748, TRANSL. M. R. C.
     TECH. REPT. NO. 663(1966) <49.0>
ZERNA, W.   (SEE - GREEN, A.E.)
ZIDKOV, E.P., OSOSKOU, G.A.
  1 SOLUTION OF NON LINEAR INTEGRAL EQUATIONS THROUGH THE
     INTRODUCTION OF CONTINUOUS PARAMETER, DOKL. AKAD. NAUK
     SSSR 180(1968), 1279-1282, TRANSL. SOVIET MATH. DOKL.
     9(1968), 747-750, MR:37-5637 <59.0>
ZIMERMAN, A.H.   (SEE - ALY, H.H.)
ZIMM, B., ROE, G.M., EPSTEIN, L.F.
  1 SOLUTION OF A CHARACTERISTIC VALUE PROBLEM FROM THE
     THEORY OF CHAIN MOLECULES, J. CHEM. PHYS. 24(1956),
     279-280, MR:17-791 <77.7, 124.0>
ZWAHLEN, B.P.   (SEE ALSO - BAZLEY, N.W.)
  1 UBER DIE EIGENWERTE DER SUMME ZWEIER SELBSTADJUNGIERTER
     OPERATOREN, COMM. MATH. HELV. 40(1966), 81-116,
     MR:32-7566 <24.0>